

INDEX

Table with columns: SHEET NO., TITLE SHEET, and descriptions of various engineering standards and specifications.

INDEX FOR RIGHT OF WAY PLANS table with columns: SHEET NO., DESCRIPTION, and details of plan sheets.

* Sheets No. 50 & No. 51 are Interchange Grading Plans and are not printed as a part of Contract Plans.

Table with columns: SHEET NO., DESCRIPTION, APPROVED BY, and REVISED OR ADOPTED.

RIGHT OF WAY PLANS

STATE OF INDIANA STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY I-PROJECT NO. 69-2

BEGINNING AT A POINT 118.00 FEET SOUTHWEST OF THE EAST LINE OF SECTION 23, T.19N. R.8E IN UNION TOWNSHIP, MADISON COUNTY, INDIANA AND RUNNING IN A NORTHERLY DIRECTION 15,339.6 FEET TO A POINT 143.6 FEET NORTH OF THE SOUTH LINE OF SECTION 1, T.19N, R.8E, SALEM TOWNSHIP, DELAWARE COUNTY AND 3,246.4 WEST OF THE EAST LINE OF SECTION 1, T.19N, R.8E, SALEM TOWNSHIP, DELAWARE COUNTY, INDIANA. ALL IN MADISON & DELAWARE COUNTY.

CODE: 0017

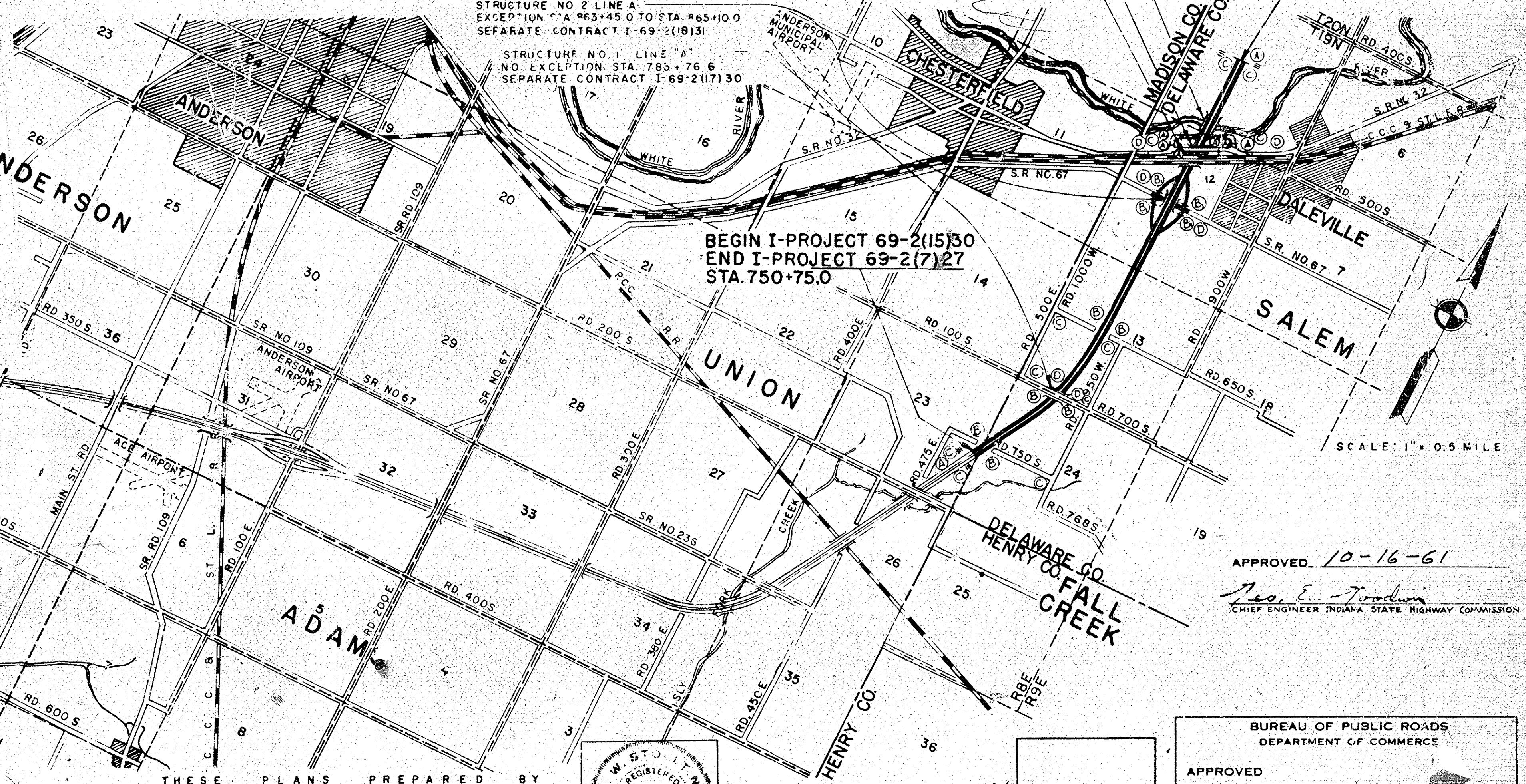
Table with columns: FEDERAL ROAD DISTRICT NO., STATE, PROJ. NO., FISCAL YEAR, SHEET NO., TOTAL SHEETS.

DESIGN DATA table with columns: A.D.T. (1959), A.D.T. (1975), D.H.V., DIRECTION, TRUCKS, DESIGN SPEED, ACCESS CONTRL.

NOTE: R.O.W. PLANS FOR THIS PROJECT INCLUDE R.O.W. REQUIRED FOR ALL SEPARATE CONTRACT STRUCTURES. S-PROJECT 182-2 STRUCTURE NO. 1 LINE "A" NO EXCEPTION STA. 783+76.6 SEPARATE CONTRACT I-69-2(17)30

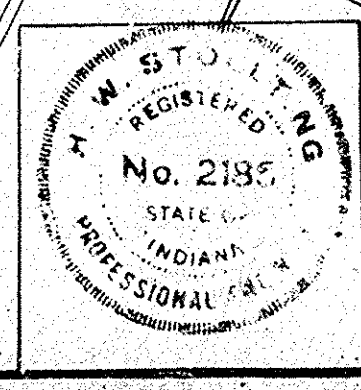
REVISIONS table with columns: Sheet No., Date, Revisions.

LEGEND: BARRICADE TYPE "A", BARRICADE TYPE "B", TYPICAL SIGN STANDARDS, CONSTRUCTION IDENTIFICATION SIGN, PERMANENT BARRICADE TYPE "A", PERMANENT BARRICADE TYPE "B".



DEPARTMENT OF INDIANA SPECIFICATIONS DATED 1960 FOR THESE PLANS.

THESE PLANS PREPARED BY CLYDE E. WILLIAMS & ASSOCIATES PROFESSIONAL ENGINEERS SOUTH BEND - LANSING - INDIANAPOLIS



SUBMITTED FOR APPROVAL 10-10-61 W.A. Behrens ENGINEER OF ROADS ON INDIANA STATE HIGHWAY COMMISSION

APPROVED 10-16-61 Geo. E. Trudman CHIEF ENGINEER INDIANA STATE HIGHWAY COMMISSION

APPROVED stamp with fields for DISTRICT ENGINEER and DATE.

L10-6-01

PARCEL LISTING FOR LAND ACQUISITION
INDIANA STATE HIGHWAY COMMISSION

PARCGL NUMBER	GRANTOR	CENTER LINE	FROM APPROX STA.	TO APPROX STA.	PLAN SHEET	BRIDGE	TOTAL AREA	R/W EXISTING	NATURE OF TITLE	LAND TO BE ACQUIRED	RESIDUE AREA	BLDG.
1	BIRCH, CHARLES ET AL.	S7A	48	49	8		15.000AC		PE	0.066AC	L= 14.934AC	
2	OLINGER, JESSE ET UX.	A	754	765	8		20.000AC		PE	5.018AC	L= 11.457AC R= 3.525AC	
3	OLINGER, JESSE ARTHUR	A	765	769	8+9		60.000AC		PE	1.906AC	L= 0.133AC R= 57.961AC	
4	TURNER, WILBUR ET AL.	A	769	783	8+9+16		39.500AC		PE	6.254AC	L= 29.806AC R= 3.440AC	
4T		S8A	42	43	16				TE	0.073AC		
5	PATTERSON, WILLIAM HENRY	A	781	783	9+16	*	20.000AC		PE	1.646AC	R= 18.354AC	*
5T		S8A	54	56	16				TE	0.087AC		
6	VANCE, HOWARD ET UX.	A	785	785	9+16	*	15.000AC		PE	1.272AC	L= 13.728AC	
6T		S8A	42	43	16				TE	0.096AC		
7	PARKER, RALPH ET UX.	A	784	790	9+16	*	15.360AC		PE	2.823AC	L= 0.167AC R= 12.370AC	
7TP		S8A	55	56	16				PE	0.089AC		
8	RICE, JAMES ET UX.	A	790	811	9+10		122.640AC		PE	9.554AC	L= 78.916AC R= 34.170AC	
9	CLOWES, ALLEN ET AL.	A	811	838	10+11		240.000AC		PE	12.220AC	L= 75.300AC R= 152.480AC	
10	SHIMER, FORREST ET UX.	A	838	857	11+27		73.330AC		PE	11.292AC	L= 43.588AC R= 18.450AC	
11	ROZELLE, WILLIAM	A	857	864	17+18+27	*	44.590AC		PE	14.689AC	L= 28.181AC R= 1.720AC	
12	ROZELLE, SHARON ET UX.	A	862	864	18+27	*	1.035AC		FS	1.035AC		*
13	CAMPLIN, KATHLEEN ET VIR	A	862	864	18+27	*	1.035AC		FS	1.035AC		
14	SHOEMAKER, JOSEPH ET AL.	S10A	56	69	18+19+27	*	115.005AC		PE	1.147AC	R= 113.858AC	
15	DALE, CORNELIA HARKER	A	865	879	18+27	*	74.760AC		PE	21.198AC	L= 9.112AC R= 44.450AC	
16	CLENDENEN, HARRY ET UX.	S10A	42	43	18+27	*	3.060AC		PE	0.049AC	L= 3.011AC	
17	NO PARCEL 17 THRU 20											
21	PARCEL 21 ON PROJECT I-69-2(15) AND PARCEL 1 ON PROJECT S-182(3) COVER THE SAME LAND, WITH											
21	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)											
21P	PERDUE, MARTON ET AL.	S11A	34	36	23+24		34.600AC		PE	0.183AC	L= 34.206AC	
21TP		S11A	34	36	23+24				PE	0.211AC		
22	PARCEL 22 ON PROJECT I-69-2(15) AND PARCEL 2 ON PROJECT S-182(3) COVER THE SAME LAND, WITH											
22	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)											
22	ECOFF, VOYLE D. ET UX.	S11A	36	38	24+29		2.599AC		PE	0.510AC	L= 2.089AC	
23	PARCEL 23 ON PROJECT I-69-2(15) AND PARCEL 3 ON PROJECT S-182(3) COVER THE SAME LAND, WITH											
23	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)											
23	HARDIN, JAMES K.	S11A	38	41	24+29		2.978AC		PE	0.694AC	L= 2.284AC	
24	PARCEL 24 ON PROJECT I-69-2(15) AND PARCEL 4 ON PROJECT S-182(3) COVER THE SAME LAND, WITH											
24	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)											
24	ANDERSON FED. SAVINGS	S11A	41	42	29		3.037AC		PE	1.476AC	L= 1.561AC	
24T		NWAP	18	19	29				TE	0.075AC		
25	PARCEL 25 ON PROJECT I-69-2(15) AND PARCEL 5 ON PROJECT S-182(3) COVER THE SAME LAND, WITH											
25	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)											
25	BRONNENBERG, JAMES ET AL.	A	880	891	13+25+29	*	112.118AC		PE	21.574AC	L= 14.868AC R= 53.698AC	*
25A		A	891	894	29				PE	1.687AC		
25B		A	895	898	13				PE	2.206AC		
25P		A	890	891	13+29				PE	17.572AC		
25P1		S11A	67	69	25				PE	0.360AC		
25AP		A	893	894	29				PE	0.153AC		
26	PARCEL 26 ON PROJECT I-69-2(15) AND PARCEL 18 ON PROJECT I-69-2(32) COVER THE SAME LAND, WITH											
26	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)											
26	MICHAEL, GERTIE ET AL.	A+F	898	125	13+14+15	*	189.390AC		PE	15.032AC	L= 142.178AC R= 32.180AC	
27	PARCEL 27 ON PROJECT I-69-2(15) AND PARCEL 21 ON PROJECT I-69-2(17) COVER THE SAME LAND, WITH											
27	ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(17)											
28	NO PARCEL 28 THRU 899.											
900T	MONTGOMERY, RALPH	RR2A	34	36	21		3.000AC		TE	0.024AC	R= 3.000AC	
901T	SCOTT, RALPH ET UX.	RR2A	36	38	21		3.000AC		TE	0.096AC	R= 3.000AC	
902T	ELIASON, EARL V.	RR2A	38	39	21		3.000AC		TE	0.151AC	R= 3.000AC	
903T	MATHIAS, JAMES H. ET UX.	RR2A	39	41	21		0.911AC		TE	0.192AC	R= 0.911AC	
904T	CLENDENEN, HARRY ET UX.	RR2A	41	42	21		3.060AC		TE	0.199AC	R= 3.060AC	
905T	DALE, CORNELIA HARKER	RR2A	42	56	21		76.260AC		TE	1.084AC	R= 76.260AC	
905T1		RR2A	42	56	21				TE	0.739AC		
906T	GREEN, EDITH L.	RR2A	56	66	21		6.500AC		TE	1.237AC	R= 6.500AC	

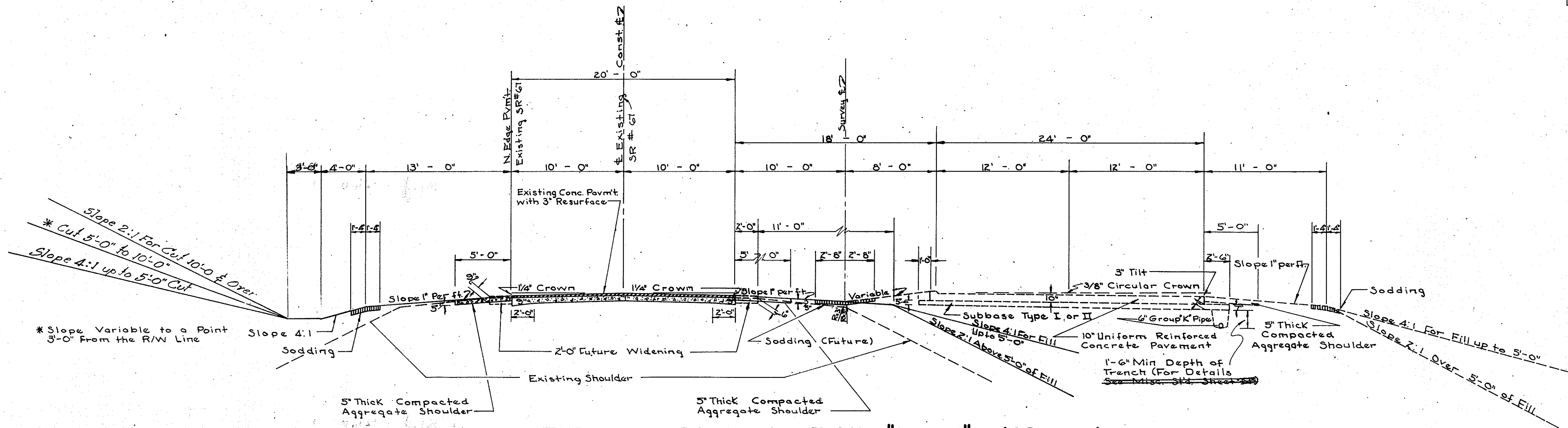
L10-6-01

PARCEL LISTING FOR LAND ACQUISITION
INDIANA STATE HIGHWAY COMMISSION

PARCEL NUMBER	GRANTOR	CENTER LINE	FROM APPROX STA.	TO APPROX STA.	PLAN SHEET	BRIDGE	TOTAL AREA	R/W EXISTING	NATURE OF TITLE	LAND TO BE ACQUIRED	RESIDUE AREA	BLDG.
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* (ASTERISK) IN THE BLDG. COLUMN INDICATES A BUILDING IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF THE R/W REQUIRED.
 * (ASTERISK) IN THE BRIDGE COLUMN INDICATES THE PARCEL IS PARTIALLY OR COMPLETELY WITHIN THE LIMITS OF A BRIDGE PROJECT.
 ACCESS RTS = ONLY ABUTTERS ACCESS RIGHTS TO BE ACQUIRED
 EASMT RTS = CLEARANCE OF PRIVATE EASEMENT WHICH ENCUMBERS THE TAKING
 CLEAR RESV = CLEARANCE OF RESERVATION IN OLD GRANT OF EASEMENT
 MINERALS = ACQUISITION OF MINERAL RIGHTS FROM OTHER THAN THE FEE OWNER OF THE LAND
 LEASEHOLD = RELEASE OF LEASEHOLD INTEREST
 CONTR. SALE = RELEASE OF CONTRACT INTEREST
 FS = FEE SIMPLE TITLE
 LA = LIMITED ACCESS R/W
 PE = PERMANENT R/W
 QD = QUITCLAIM DEED
 WD = WARRANTY DEED
 TE = TEMPORARY R/W
 PV = PROVISIONAL R/W
 SP = SPECIAL INSTRUMENT FOR CLEARING SPECIAL INTERESTS (GC DEED, SPECIAL R/W GRANT, RELEASE OF LEASEHOLD, ETC.)
 L = RESIDUE LEFT OF CENTER LINE R = RESIDUE RIGHT OF CENTER LINE
 LIST OF EXCESS LANDS TO BE ACQUIRED
 AND A SEGREGATION BY PROJECTS OF RIGHT OF WAY AREAS AND EXCESS
 LAND AREAS LYING IN TWO OR MORE PROJECTS

PARCGL NUMERAL	TYPE OF TAKING	LAND TO BE ACQUIRED	PROJECT I-69-2(15)	PROJECT S-182(3)	PROJECT
21	PE	0.394AC			0.394AC
22	PE	0.510AC			0.510AC
23	PE	0.694AC			0.694AC
24	PE	1.476AC	0.196AC		1.280AC
24	TE	0.075AC			0.075AC
25	PE	43.552AC	39.266AC		4.286AC

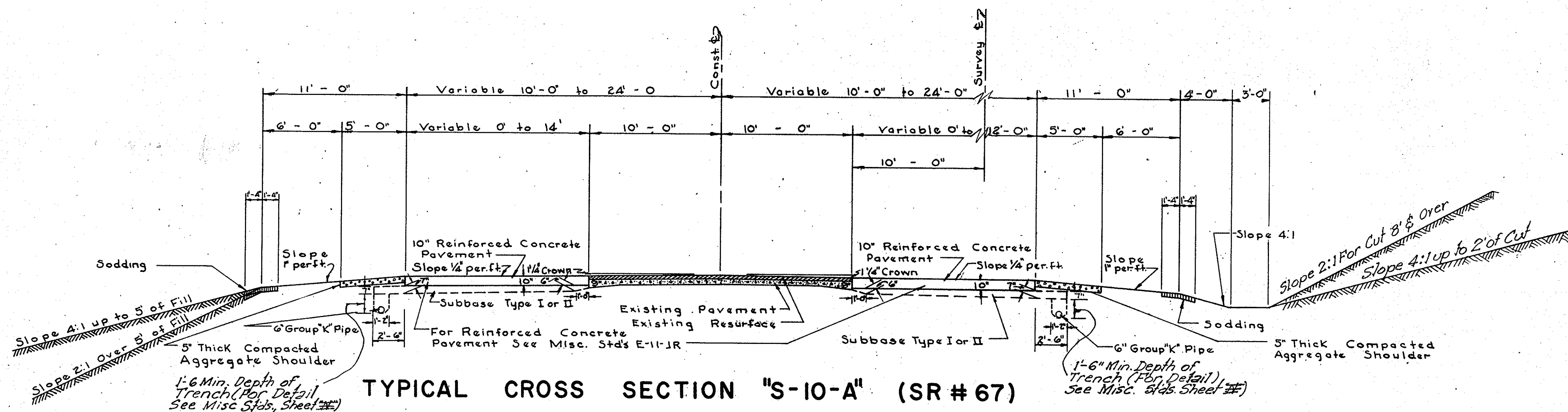


TYPICAL CROSS SECTION "S-10-A" (S.R.# 67)

STA. 42+00.0 TO STA. 42+48.8

STA. 49+24.0 TO STA. 50+91.0

Scale 3/16" = 1'-0"



TYPICAL CROSS SECTION "S-10-A" (SR # 67)

STA. 42+48.8 TO STA. 49+24.0

STA. 50+91.0 TO STA. 57+51.2

Scale 3/16" = 1'-0"

TYPICAL CROSS SECTIONS

SCALE:-

RECOMMENDED FOR APPROVAL _____

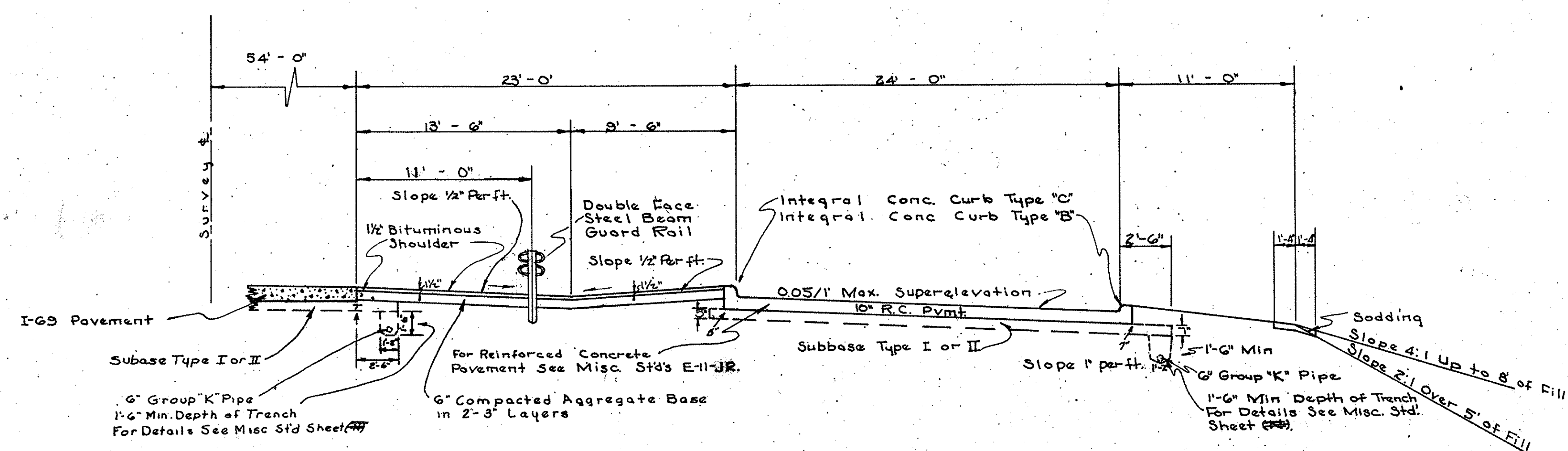
REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA

APPROVED _____
CHIEF ENGINEER INDIANA STATE HIGHWAY COMMISSION

RECOMMENDED FOR APPROVAL _____

ENGINEER OF ROAD DESIGN INDIANA STATE HIGHWAY COMMISSION

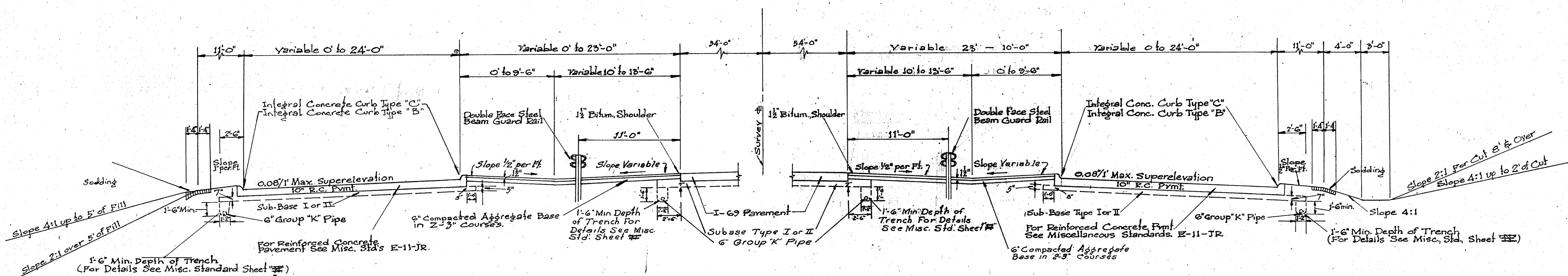
FEDERAL ROAD DIVISION NO.	STATE	PRJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-03-2150	1960	5	33



TYPICAL CROSS SECTION LINE "A"

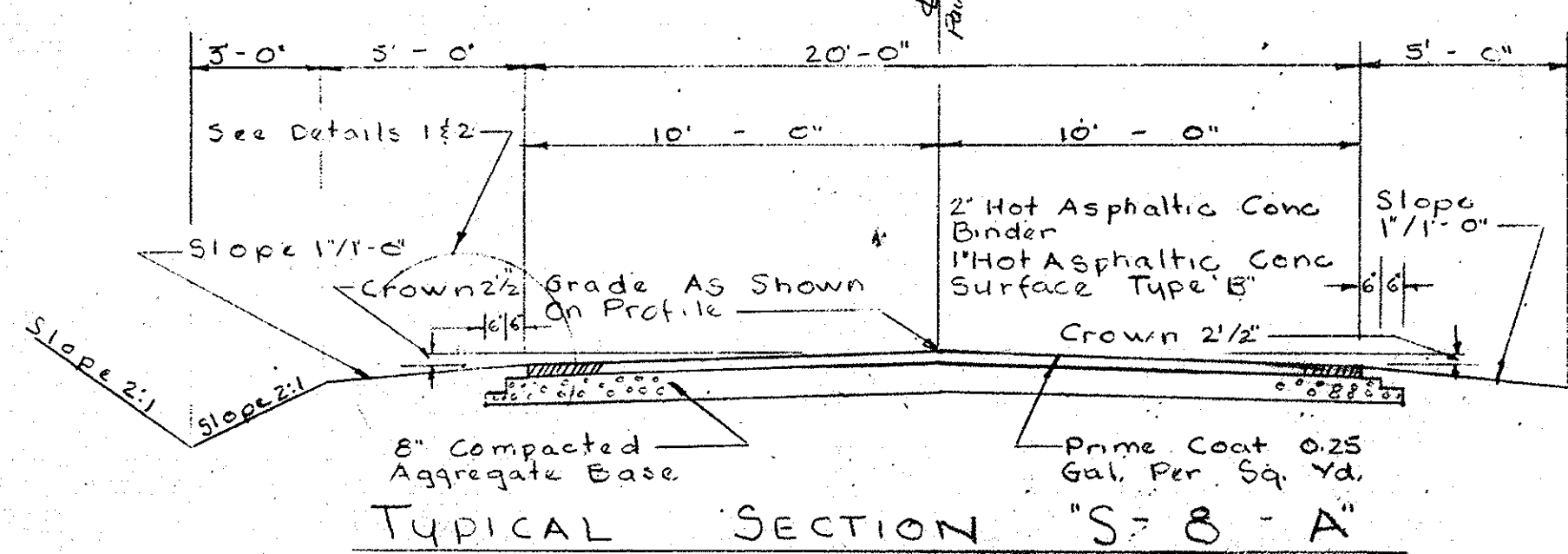
STA. 875+86.8 TO STA. 877+50.42

Scale: 3/16" = 1'-0"



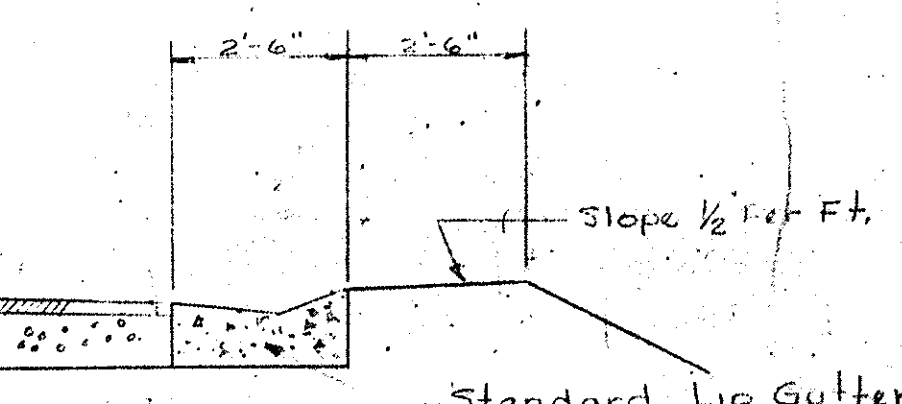
TYPICAL CROSS SECTION LINE "A"

STA. 877+50.42 TO STA. 880+81.66

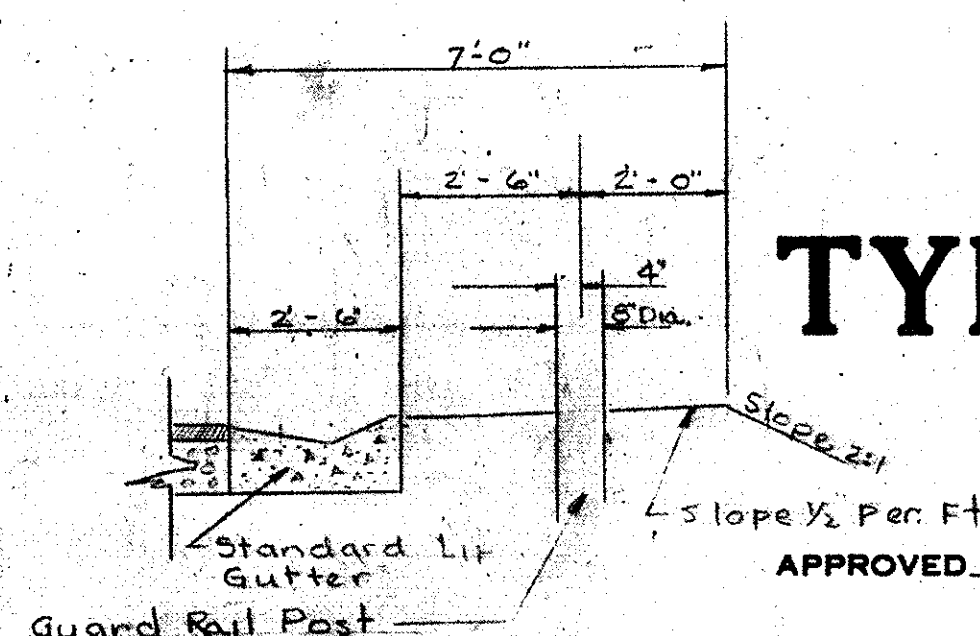


TYPICAL SECTION "S-8-A"

Scale: 1/4" = 1'-0"



DETAIL 1



DETAIL 2

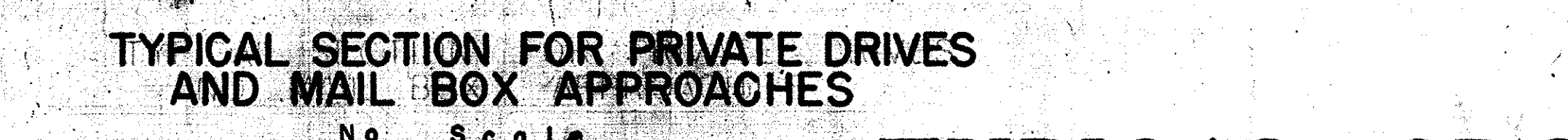
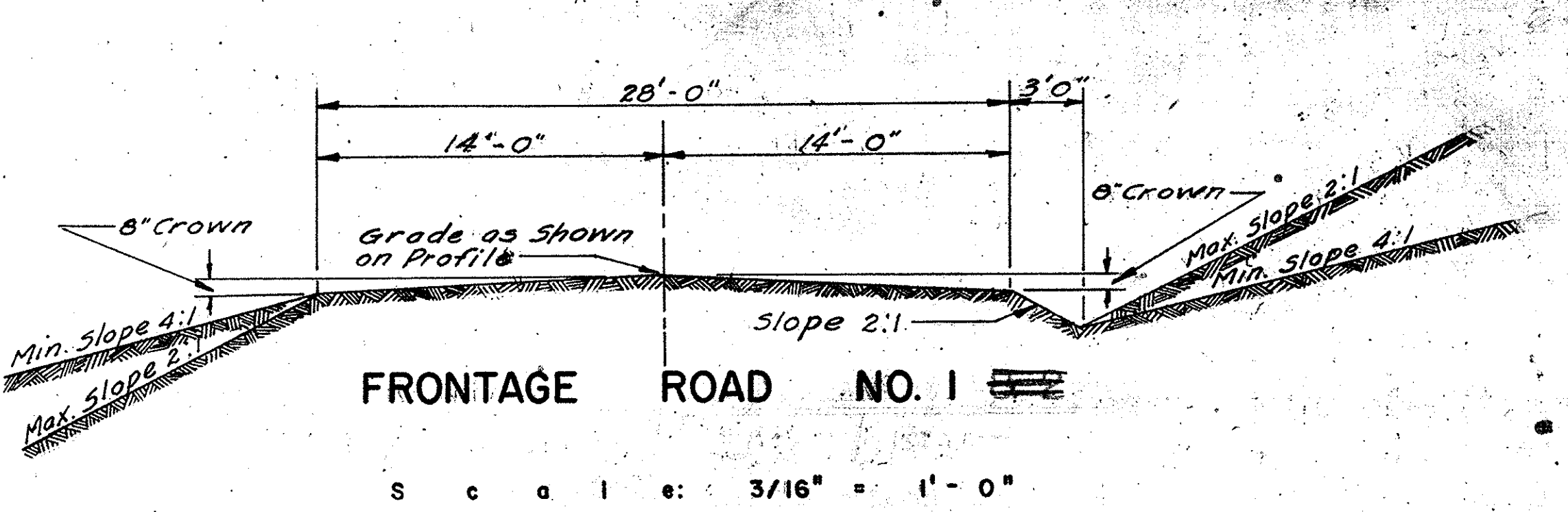
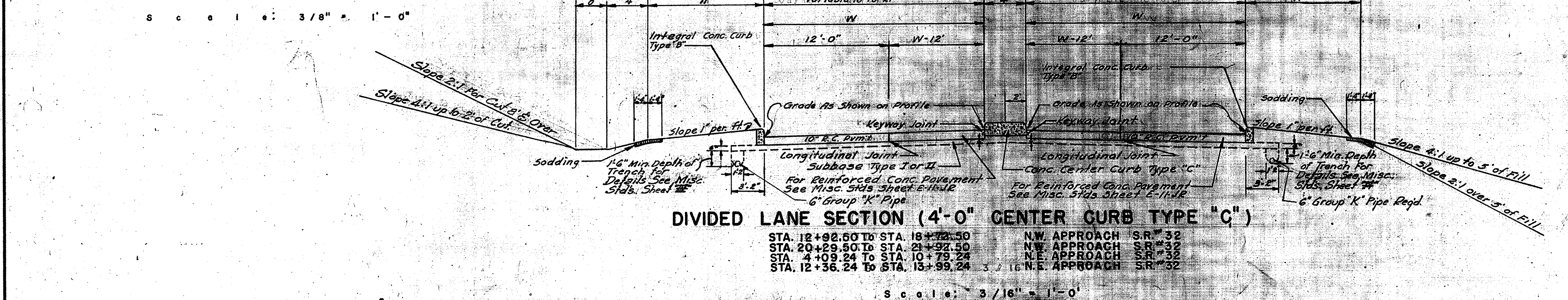
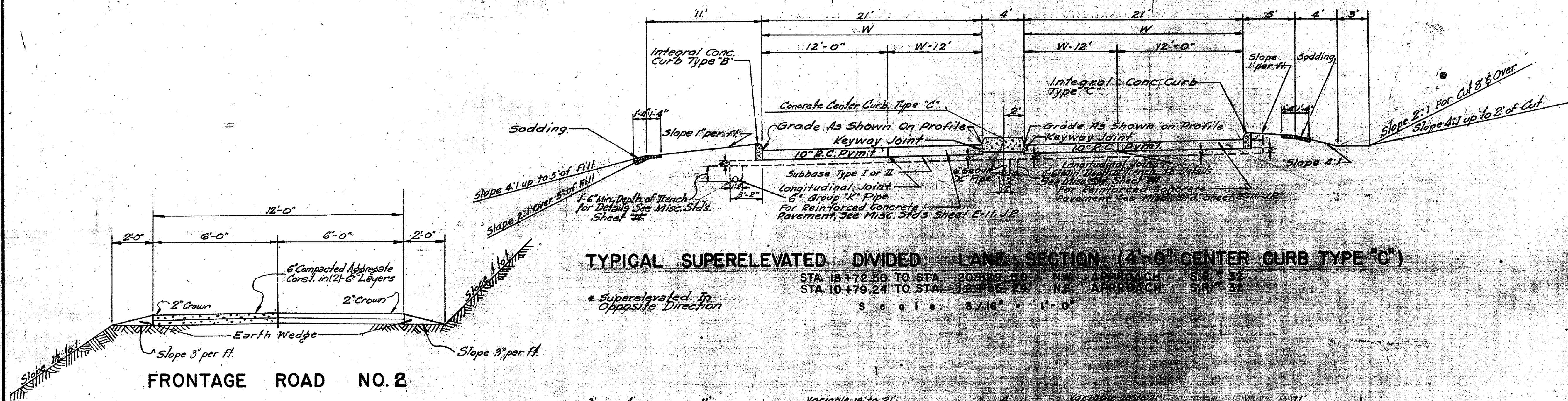
TYPICAL CROSS SECTIONS

Scale: 3/16" = 1'-0"

APPROVED CHIEF ENGINEER - INDIANA STATE HIGHWAY COMMISSION

RECOMMENDED FOR APPROVAL

ENGINEER OF ROAD DESIGN, INDIANA STATE HIGHWAY COMMISSION

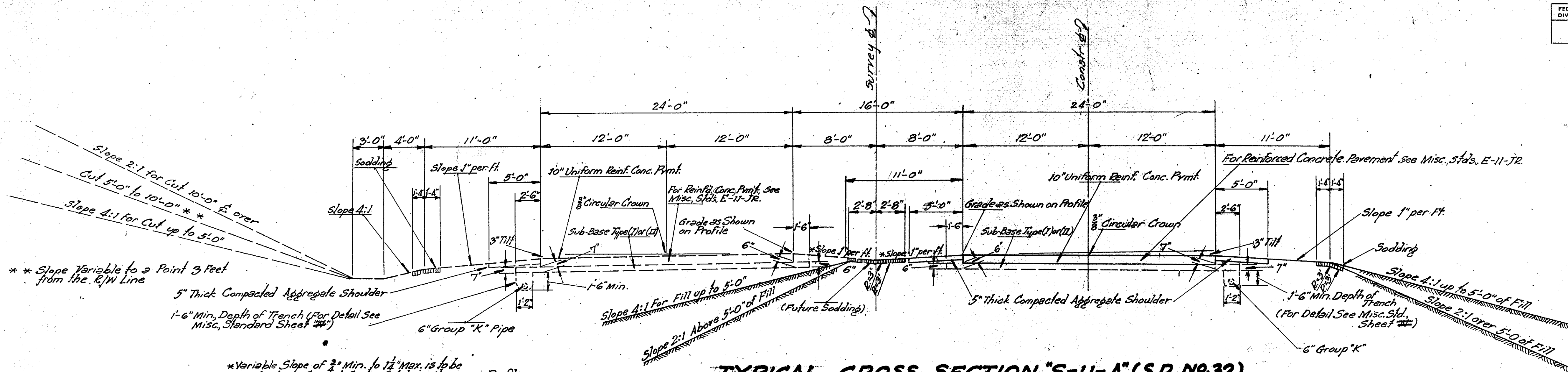


TYPICAL CROSS SECTIONS

RECOMMENDED FOR APPROVAL _____
 REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA

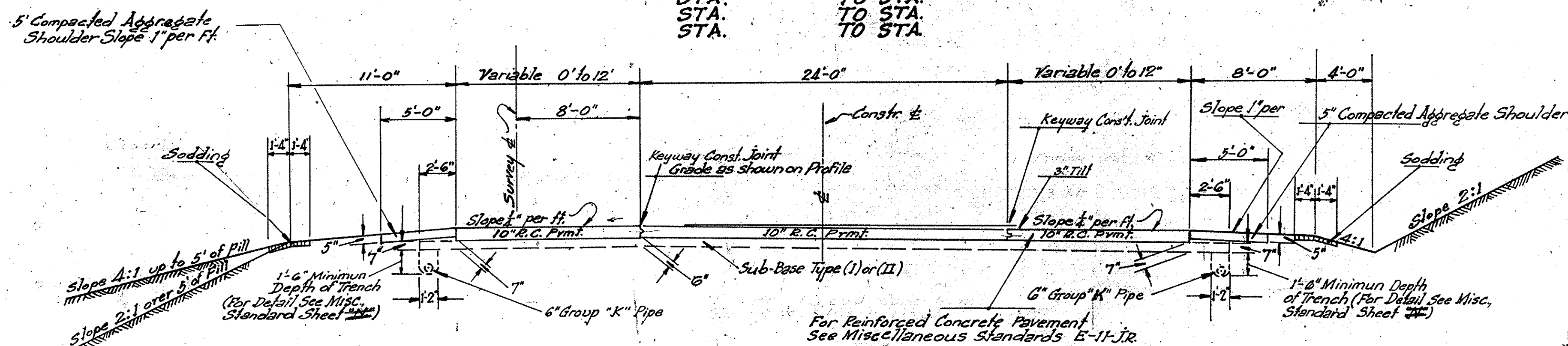
APPROVED _____
 CHIEF ENGINEER INDIANA STATE HIGHWAY COMMISSION

RECOMMENDED FOR APPROVAL _____
 ENGINEER OF ROAD DESIGN INDIANA STATE HIGHWAY COMMISSION



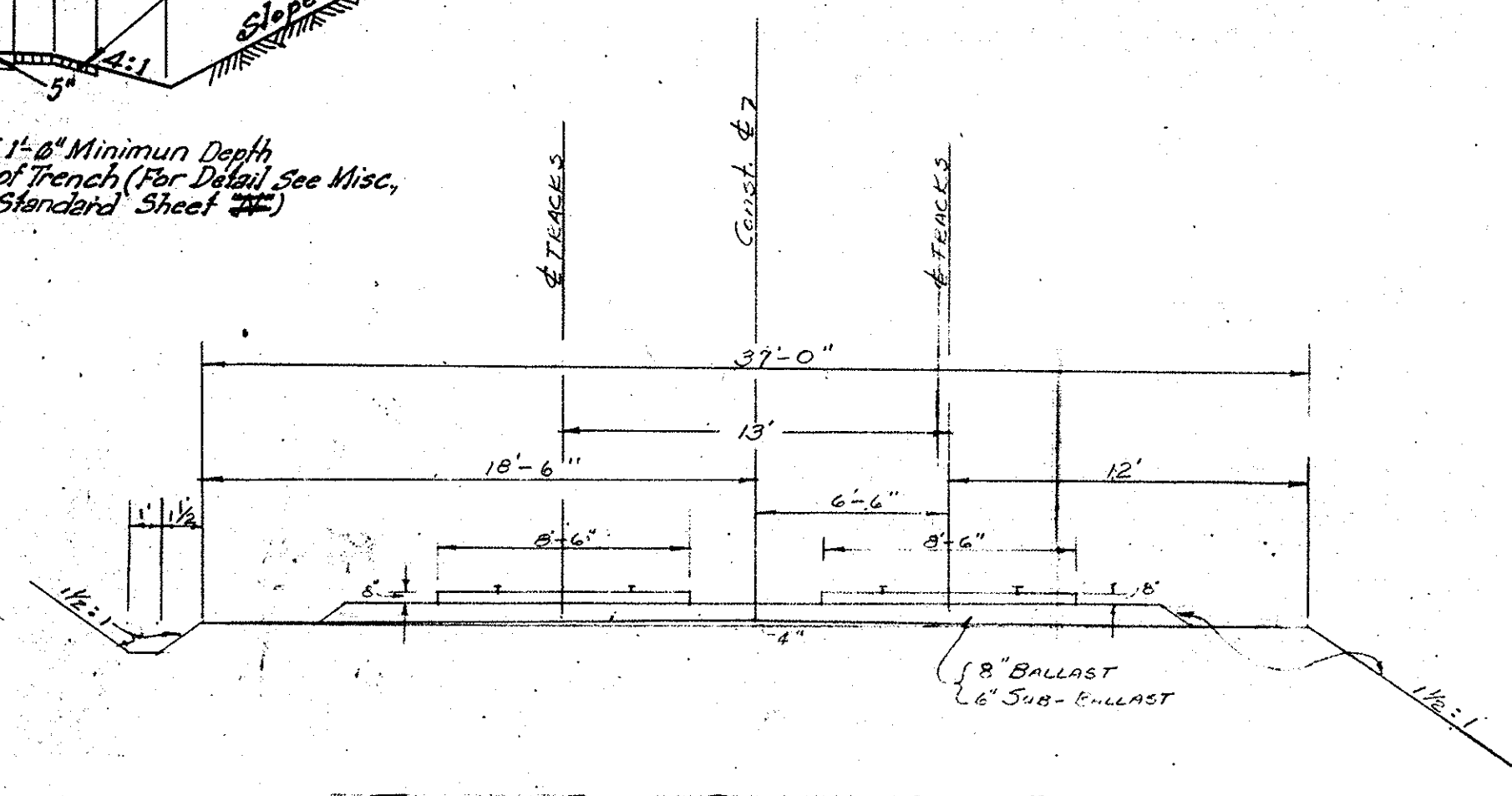
TYPICAL CROSS SECTION "S-11-A" (S.R. NO. 32)

STA. 36+07.46 TO STA. 38+05.59
 TO STA. TO STA.
 TO STA. TO STA.
 TO STA. TO STA.

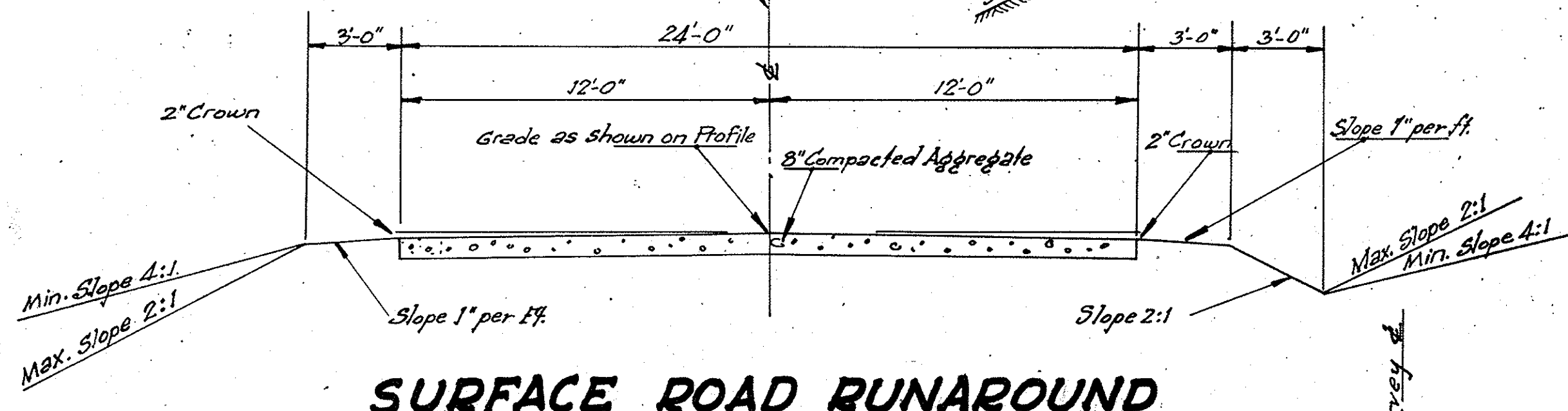


TYPICAL CROSS SECTION

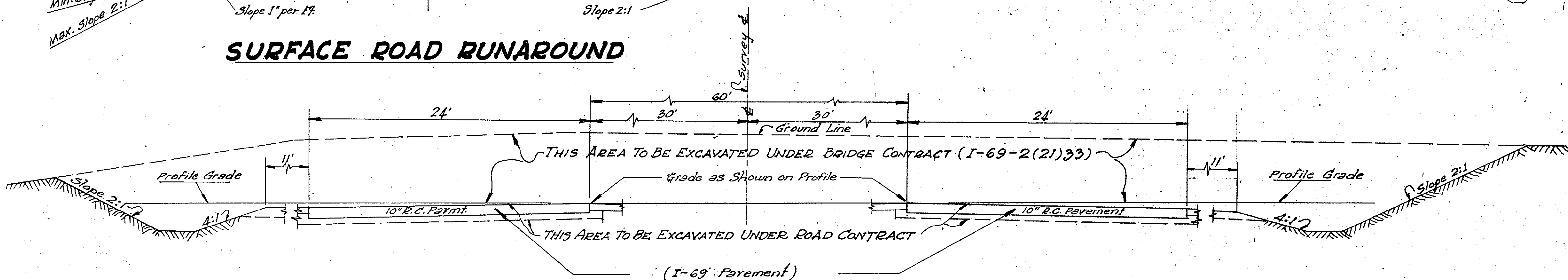
STA. 38+05.59 TO STA. 45+66.3 LINE "S-11-A" (S.R. NO. 32)
 TO STA. TO STA. LINE "S-11-A" (S.R. NO. 32)
 S c a l e : 3/16" = 1'-0"



TYPICAL CROSS SECTION R.R. RUN-AROUND
 RR-2-A
 Scale 3/16" = 1'-0"



SURFACE ROAD RUNAROUND



TYPICAL GRADING SECTION

STA. 898+30.0 TO STA. 900+84.0 LINE "A"
 S c a l e : 3/16" = 1'-0"

TYPICAL CROSS SECTIONS

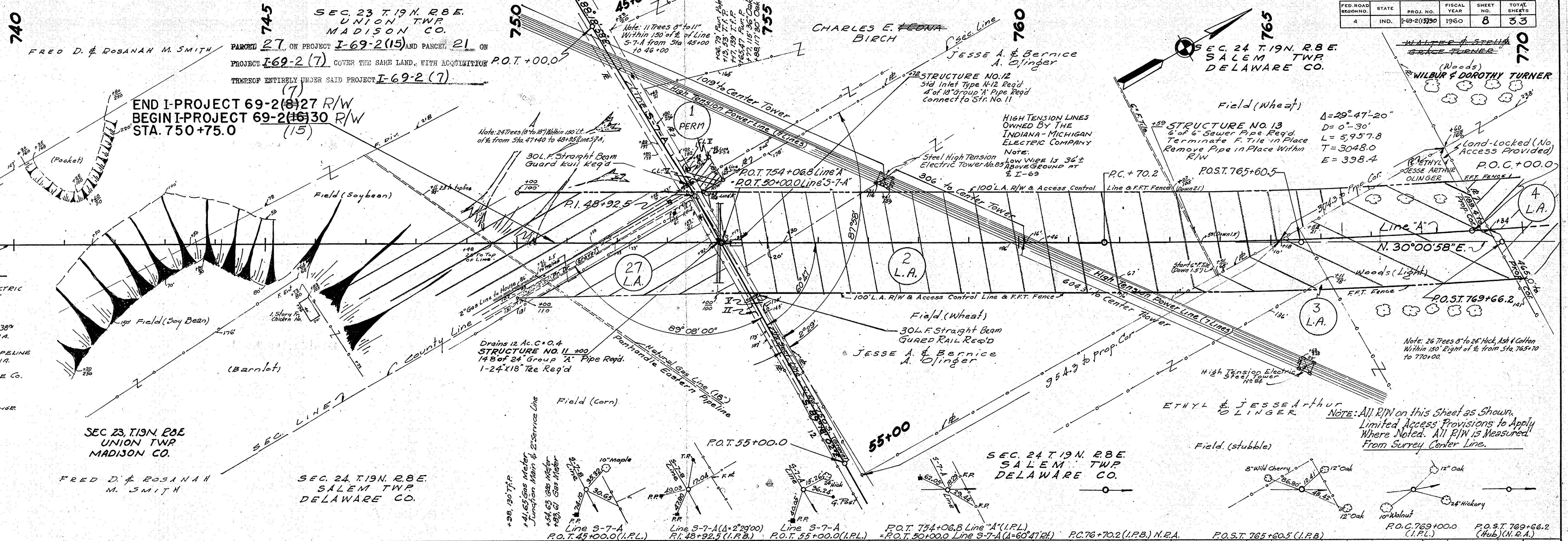
SCALE:

APPROVED CHIEF ENGINEER, INDIANA STATE HIGHWAY COMMISSION

RECOMMENDED FOR APPROVAL

ENGINEER OF ROAD DESIGN, INDIANA STATE HIGHWAY COMMISSION

FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-69-2(15)	1960	8	33



DATE	BY	REVISION
1-15-60	H. HODGES	PLANNING
2-15-60	C. LEWIS	NOTICE
3-15-60	C. LEWIS	NOTICE

UTILITY OWNERS

INDIANA-MICHIGAN ELECTRIC Co. 117 N. MULBERRY ST. MUNCIE, INDIANA.

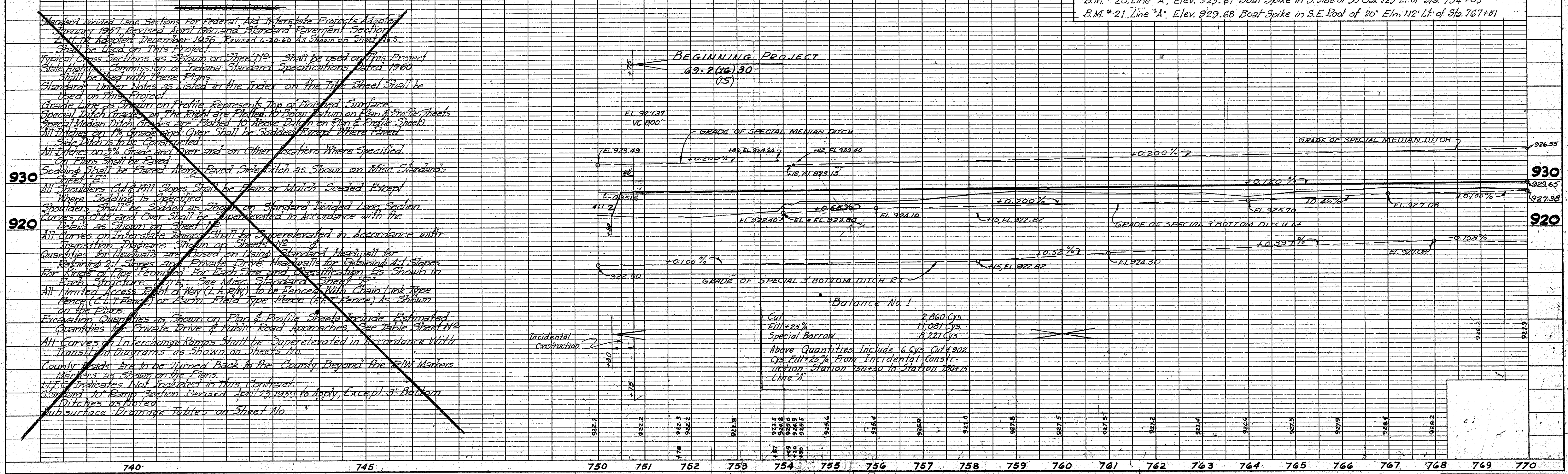
ANDERSON MUNICIPAL ELECTRIC Co. 134 EAST 38th ST. ANDERSON, INDIANA.

PANHANDLE EASTERN PIPELINE Co. ZIONSVILLE, INDIANA.

INDIANA BELL TELEPHONE Co. 121 EAST 11th ST. ANDERSON, INDIANA.

MR. R. L. GEIS DIVISION ENGR. N.Y.C. R.R. SPRINGFIELD, OHIO.

DATE	BY	REVISION
1-15-60	H. HODGES	PLANNING
2-15-60	C. LEWIS	NOTICE
3-15-60	C. LEWIS	NOTICE



Standard Divided Lane Sections for Federal Aid Interstate Projects Adopted January 1957, Revised April 1960 and Standard Pavement Section 11-12 Adopted December 1956, Revised 6-10-60 As Shown on Sheet Nos. Shall be Used on This Project.

Typical Cross Sections as Shown on Sheet No. 1 shall be used on this Project. State Highway Commission of Indiana Standard Specifications dated 1960 shall be used with these Plans.

Standard Under Notes as listed in the Index on the Title Sheet shall be used on this Project.

Grade Line as Shown on Profile Represents Top of Finished Surface.

Special Ditch Grades on the Right are Plotted to Bottom of Profile Sheets.

Special Median Ditch Grades are Plotted 10' Above Design on Plan & Profile Sheets.

All Ditches on 1/2 Grade and Over shall be Sided Except Where Noted.

Side Ditch is to be Constructed.

All Ditches on 3% Grade and Over and on Other Locations Where Specified on Plans shall be Sided.

Sodding shall be Placed Along Paved Side Ditch as Shown on Misc. Standards Sheet No. 1.

All Shoulders Cut & Fill Slopes shall be Firm or Mulch Seeded Except Where Sodding is Specified.

Shoulders shall be Sided as Shown on Standard Divided Lane Section Curves of 0'45" and Over shall be Super-elevated in accordance with the Details as Shown on Sheet No. 1.

All Curves on Interstate Ramps shall be Super-elevated in accordance with Transition Diagrams Shown on Sheets No. 1 & 2.

Quantities for Headwalls are Based on Using Standard Headwall for Retaining 4:1 Slopes and Private Drive Headwalls for Retaining 4:1 Slopes For Kinds of Top Terrains as Shown on Standard Sheet No. 1.

All Limited Access Point of Way (L.A.P.) to be Fenced with Chain Link Type Fence (C.L.L.F.) or Farm Field Type Fence (F.F.F.) as Shown on the Plans.

Excavation Quantities as Shown on Plan & Profile Sheets include Estimated Quantities for Private Drive & Public Road Approaches. See Table Sheet No. 1.

All Curves on Interchange Ramps shall be Super-elevated in accordance with Transition Diagrams as Shown on Sheets No. 1 & 2.

County Roads are to be Turned Back to the County Beyond the P.M. Markers as Shown on the Plans.

All P.M. Markers are to be Included in this Contract.

Standard for Ramp Section revised Jan 22, 1959 to apply, except 3' Bottom Ditches as Noted.

Subsurface Drainage Tables on Sheet No. 1.

FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-67-2(2)3C	1960	9	33

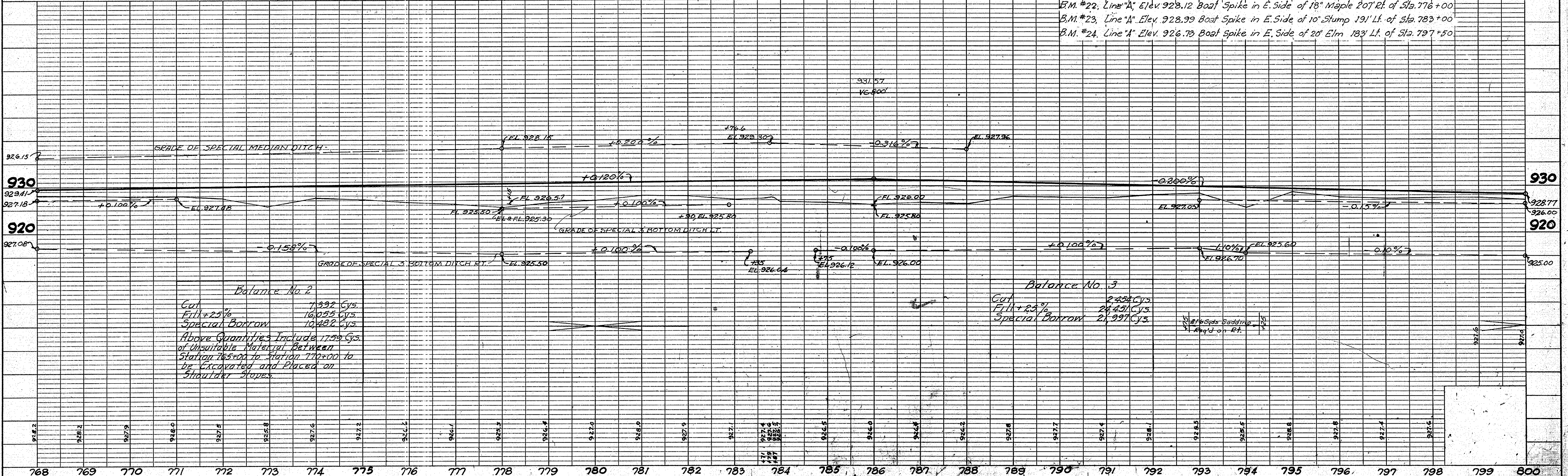
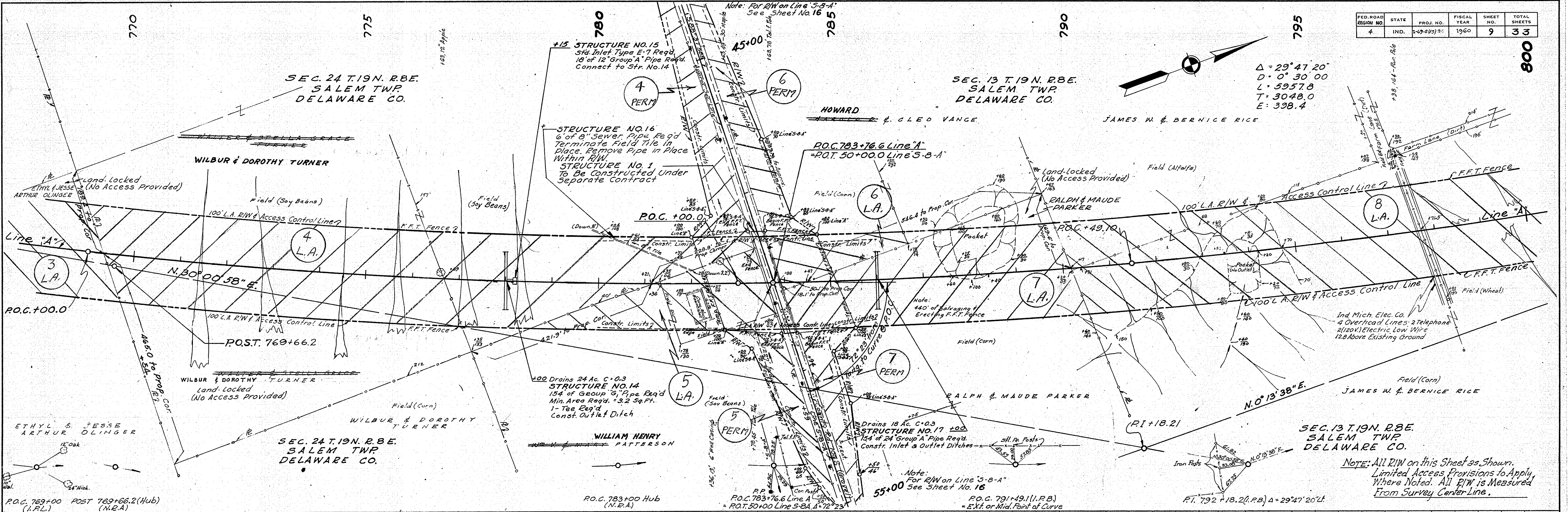


PLATE 1 - PLAN - PROFILE B. R. STANDARD
MARBAUGH ENG. & SUPPLY CO.

PROJ.	LINE	SHEET	FILE
1-67-2(2)3C	A	9	

DATE: 11/10/59
BY: C. LEWIS
SURVEYED: C. LEWIS
NOTE BOOK: ALIGNED CHECKED
NO. 242-2-7

DATE: 11/10/59
BY: C. LEWIS
SURVEYED: C. LEWIS
NOTE BOOK: GRADES CHECKED
B.M.'S NOTED
STRUCTURE NOTATIONS CHECKED
NO. 242-2-7

NOTE: All R/W on this Sheet as Shown.
Limited Access Provisions to Apply
Where Noted. All R/W is Measured
From Survey Center Line.

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	1-69-21530	1960	10	33

REV 5-7-62 BEARING-LINE 5-9-A

800
SEC. 13, T. 19N, R. 8E
SALEM TWP
DELAWARE CO.

JAMES W & BERNICE RICE

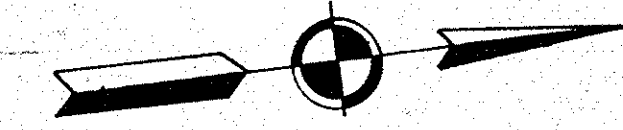
STRUCTURE NO. 19
5'-1" Inlet Type 4-2 Reg'd
4' of 18" Group A Pipe Reg'd
Connect to Structure No. 20

STRUCTURE NO. 18
4' of 8" Sewer Pipe Reg'd
Terminate Field Tile in Place
Remove Pipe in Place Within 6M

P.O.C. 811+05.1 Line 'A'
R.O.T. 50+00.0 Line 'S-9-A'

ALLEN W. & GEORGE H. CLOWES ET AL.

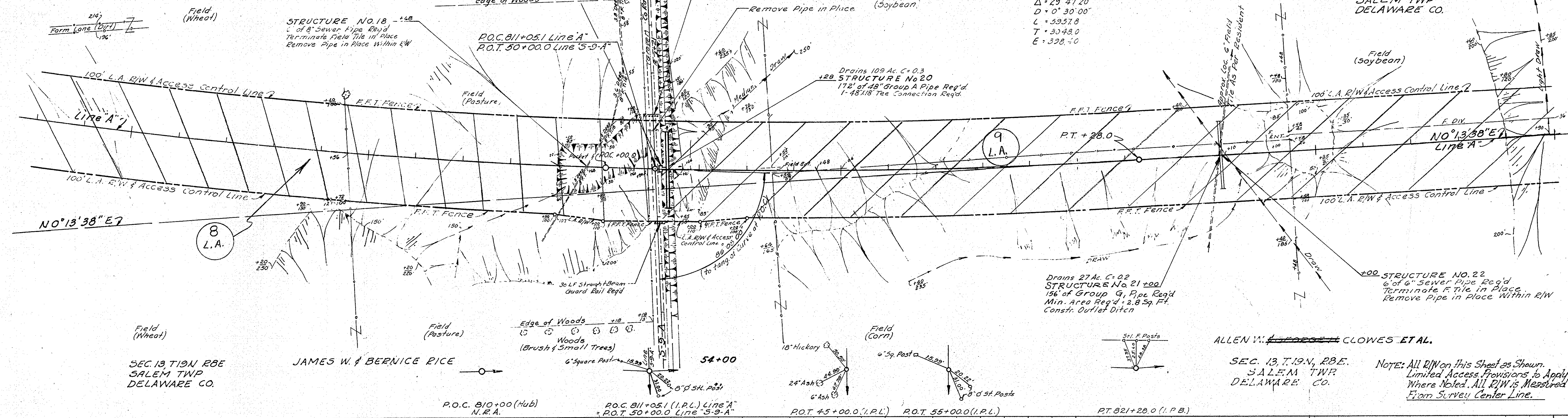
825
SEC. 13, T. 19N, R. 8E
SALEM TWP
DELAWARE CO.



Field (Soybean)
Δ = 29° 47' 20"
D = 0° 30' 00"
L = 5957.8
T = 3043.0
E = 328.70

DATE	BY
8-10-60	C. L. EWING
8-10-60	C. L. EWING
8-10-60	C. L. EWING
8-10-60	C. L. EWING

PLAN
SURVEYED BY: C. L. EWING
NOTE BOOK: GRADES CHECKED
NO. 21530-1
RT. OF WAY CHECKED: C. L. EWING



800
SEC. 13, T. 19N, R. 8E
SALEM TWP
DELAWARE CO.

JAMES W & BERNICE RICE

P.O.C. 810+00 (Hub)
N.R.A.

P.O.C. 811+05.1 (I.P.L.) Line 'A'
R.O.T. 50+00.0 Line 'S-9-A'

P.O.T. 45+00.0 (I.P.L.) P.O.T. 55+00.0 (I.P.L.)

P.T. 821+28.0 (I.P.B.)

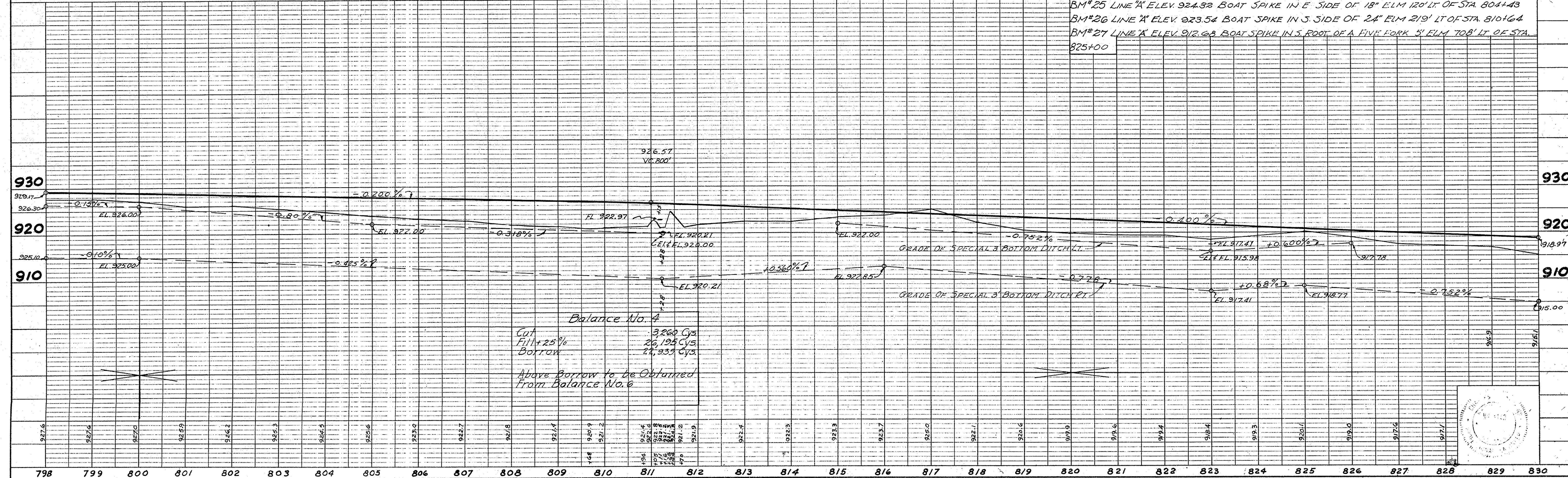
ALLEN W. & GEORGE H. CLOWES ET AL.

825
SEC. 13, T. 19N, R. 8E
SALEM TWP
DELAWARE CO.

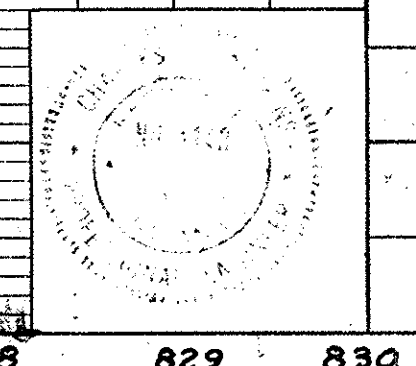
NOTE: All R/W on this Sheet as Shown.
Limited Access Provisions to Apply
Where Noted. All R/W is Measured
From Survey Center Line.

DATE	BY
8-10-60	C. L. EWING
8-10-60	C. L. EWING
8-10-60	C. L. EWING
8-10-60	C. L. EWING

PROFILE
SURVEYED BY: C. L. EWING
NOTE BOOK: GRADES CHECKED
NO. 21530-1
STRUCTURE NOTATIONS CH'D



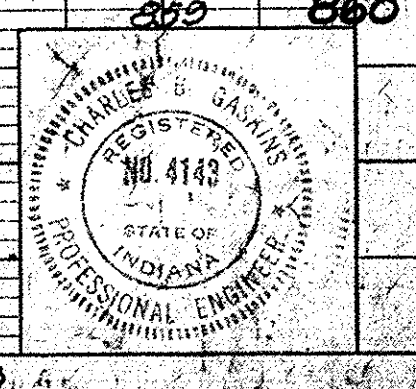
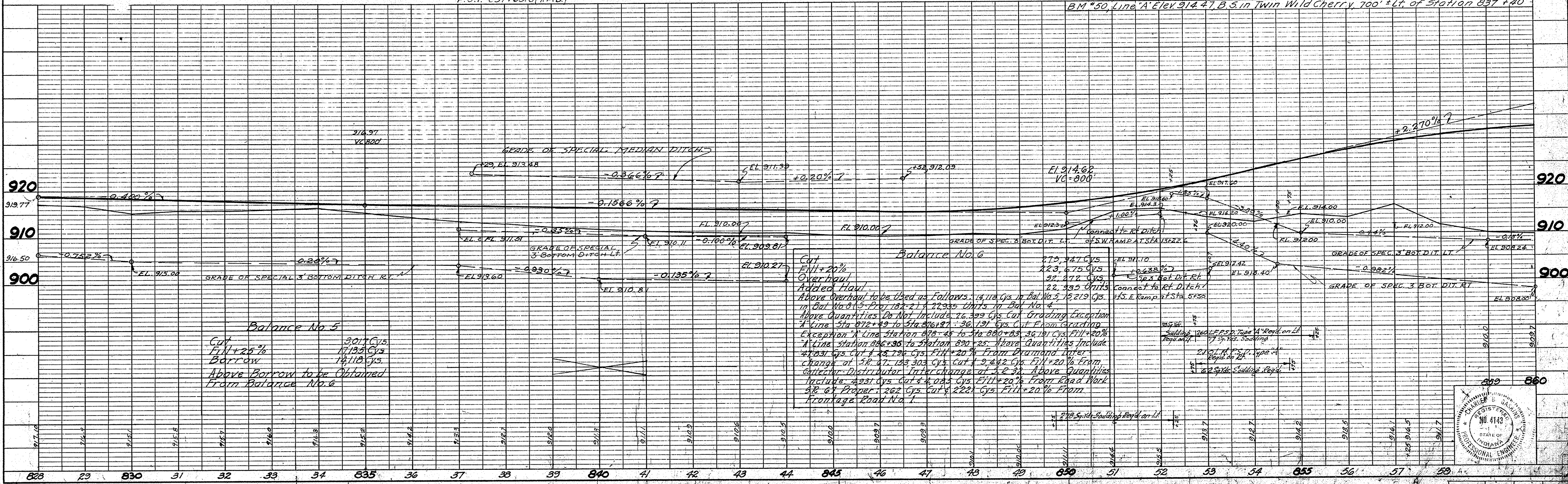
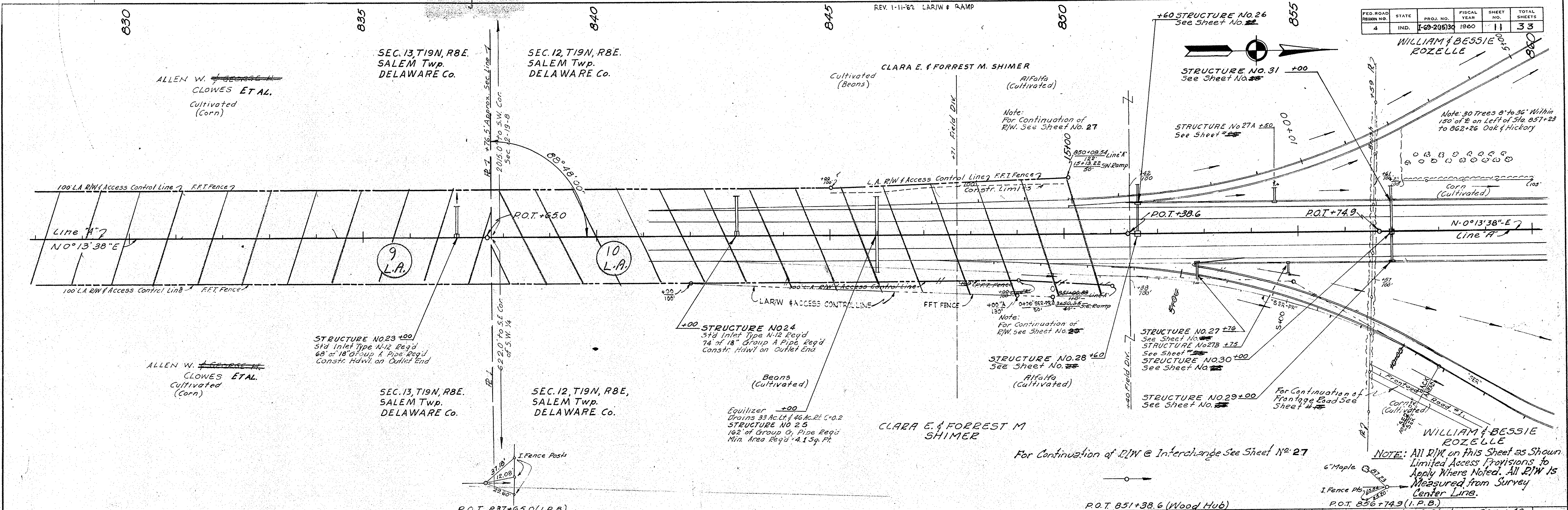
Balance No. 4
Cut 3260 Cys
Fill + 25% 26,124 Cys
Borrow 24,933 Cys
Above Borrow to be Obtained
from Balance No. 6



FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-69-2(15)30	1960	11	33

DATE	BY
7-26-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS

DATE	BY
7-26-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS
7-27-62	C. L. LEWIS

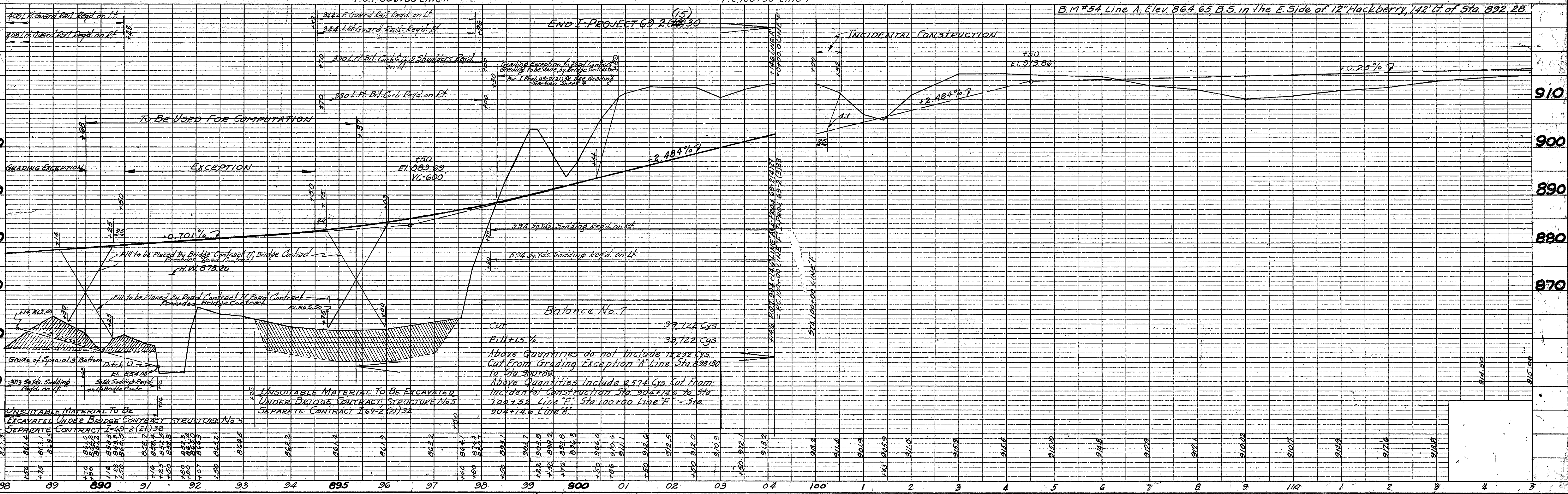
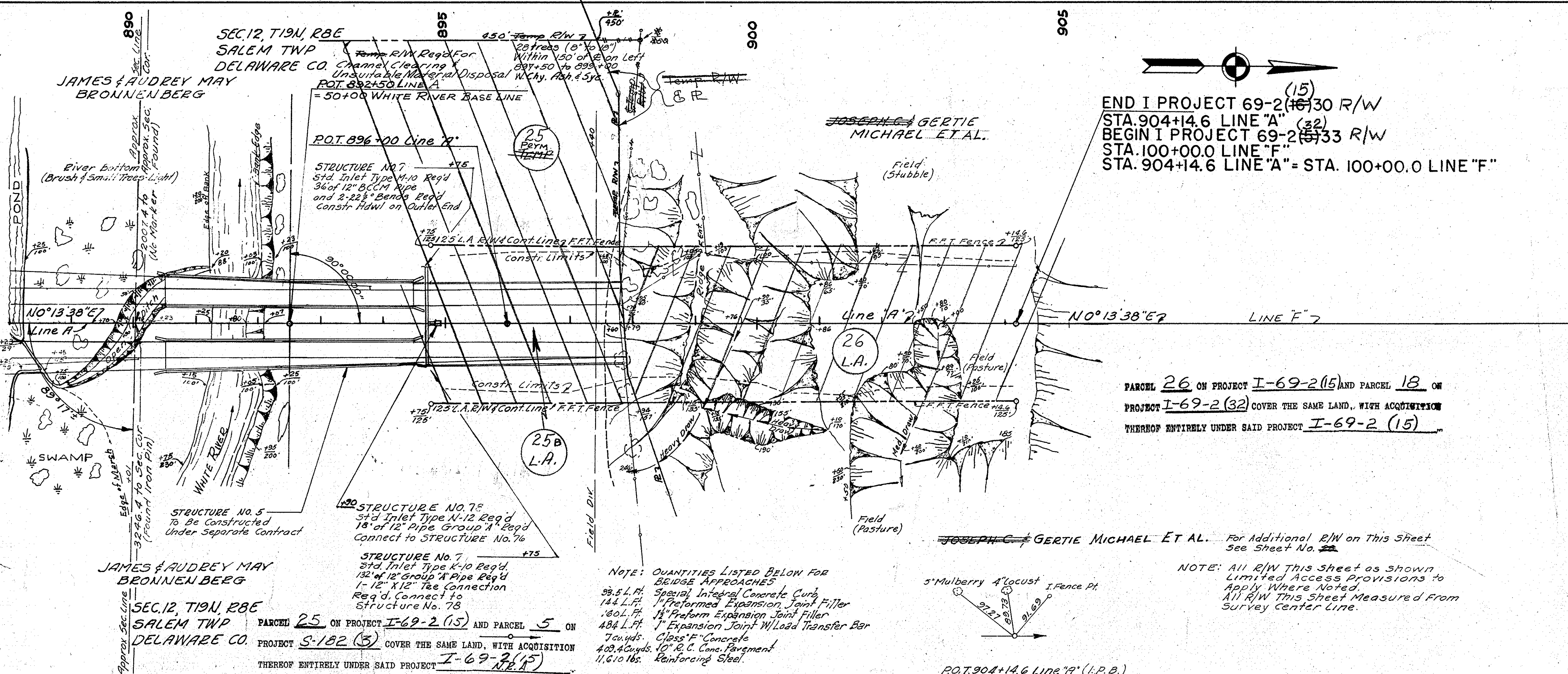


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-69-2(15)30	1960	13	33

Rev. 5-14-62 R at Sta. 897+87 Rev. Per Mr. Greene of R/W.

PLAN SURVEYED BY DATE
 G. E. 1959
 PLOTTED BY DATE
 A. E. 1960
 NOTE BOOK NO. 2327
 ALIGNMENT CHECKED BY DATE
 C. L. 1960
 R/W CHECKED BY DATE
 H. 1960

PROFILE SURVEYED BY DATE
 G. E. 1959
 PLOTTED BY DATE
 A. E. 1960
 NOTE BOOK NO. 2327
 B.M. NOTED BY DATE
 C. L. 1960
 STRUCTURE NOTATIONS CHECKED BY DATE
 H. 1960



PARCEL 26 ON PROJECT I-69-2(15) AND PARCEL 18 ON PROJECT I-69-2(32) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)

REQ. NO.	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND. 1-69-2(15)33	1961	14	33

R/W Rev. 4-5-62

BEGIN PROJ NO I-69-2(32)33 R/W
LINE "A" STA 897+79
END PROJ NO I-69-2(15)30 R/W

BEGIN PROJ NO I-69-2(32)33,
LINE "F" STA 100+00=
END PROJ NO I-69-2(15)30
LINE "A" STA 904+14.6

STRUCTURE NO. 14
330' OF 12" GROUP 'A' PIPE REQ'D
CONNECT TO FARM TILE
RT STA 108+45 AND LT STA 111+75

SEC 1, T-19-N, R-8-E
SALEM TWP., DELAWARE CO.

JAMES AND AUDREY MAY
BRONNENBURG

STRUCTURE NO. 10
148' OF 18" GROUP 'A' PIPE REQ'D
CONSTRUCT INLET AND OUTLET DITCHES
CLOVER

STRUCTURE NO. 12
146' OF 18" GROUP 'A' PIPE REQ'D
CONSTRUCT INLET AND
OUTLET DITCHES

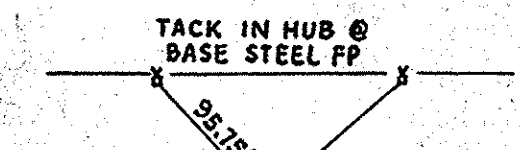
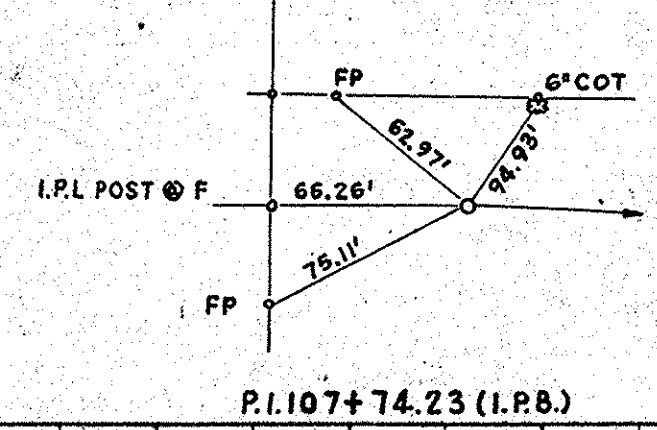
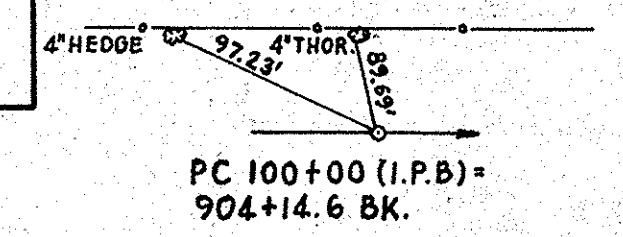
STRUCTURE NO. 11
STD. INLET, TYPE E-7
10' OF 12" GROUP 'A' PIPE
AND 1-12"X18" TEE REQ'D
CONNECT TO STRUCTURE NO 10

STRUCTURE NO. 13
STD. INLET, TYPE N-12 AND
10' OF 15" GROUP 'A' PIPE REQ'D,
CONNECT TO STRUCTURE NO 12

JOSEPH C & GERTIE MICHAEL ET AL.

CURVE DATA
P.I. STA. 107+74.23
Δ = 3°52'10" RT.
D = 15
T = 774.23
L = 1547.78
E = 1306

UTILITY OWNERSHIP	
POWER - INDIANA & MICHIGAN ELECTRIC CO.	117 NORTH MULBRY ST. MUNCIE, INDIANA
TELEPHONE - INDIANA BELL TELEPHONE CO. INC.	121 EAST ELEVENTH ST. ANDERSON, INDIANA
OVERHEAD CABLE - STA. 297+31 INDIANA BELL TELEPHONE CO.	
	215 EAST JACKSON ST. MUNCIE, INDIANA
GAS LINE - STA 143+70 CENTRAL INDIANA GAS CO.	300 EAST MAIN ST. MUNCIE, INDIANA.



ALL R/W ON THIS SHEET TO BE AS SHOWN
PT 115+47.78 (I.P.B.) LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED

STANDARD SECTIONS AS SHOWN ON SHEETS 2 AND 3 TO BE USED ON THIS PROJECT. TYPICAL SECTIONS AS SHOWN ON SHEET 4 APPLY TO FRONTAGE ROADS WHERE CALLED FOR ON THE PLANS.

STATE HIGHWAY DEPARTMENT OF INDIANA STANDARD SPECIFICATIONS, DATED 1960, TO BE USED WITH THESE PLANS.

GRADE LINE AS SHOWN ON PROFILE REPRESENTS TOP OF FINISHED SURFACE. STANDARDS UNDER DATES AS LISTED IN INDEX ON TITLE SHEET TO BE USED ON THIS PROJECT.

DITCHES OF 1% TO 3% GRADE SHALL BE SODDED.

DITCHES OF OVER 3% GRADE SHALL BE PAVED.

ALL SHOULDERS, CUT AND FILL SLOPES, SHALL BE PLAIN OR MULCH SEEDED EXCEPT WHERE SODDING IS SPECIFIED.

SODDING SHALL BE PLACED ALONG PAVED SIDE DITCHES AS SHOWN ON MISCELLANEOUS STANDARD SHEET "ME"

QUANTITIES FOR PIPE CULVERT HEADWALLS ARE BASED ON USING STANDARD HEADWALLS FOR RETAINING 2:1 SLOPES AND PRIVATE DRIVE HEADWALLS FOR RETAINING 4:1 SLOPES.

FOR KINDS OF PIPES PERMITTED FOR EACH SIZE AND CLASSIFICATION SHOWN IN STRUCTURE NOTE, SEE MISCELLANEOUS STANDARD SHEET "MP"

EARTHWORK QUANTITIES AS SHOWN IN BALANCES ON PLAN AND PROFILE SHEETS INCLUDE QUANTITIES FOR FRONTAGE ROADS.

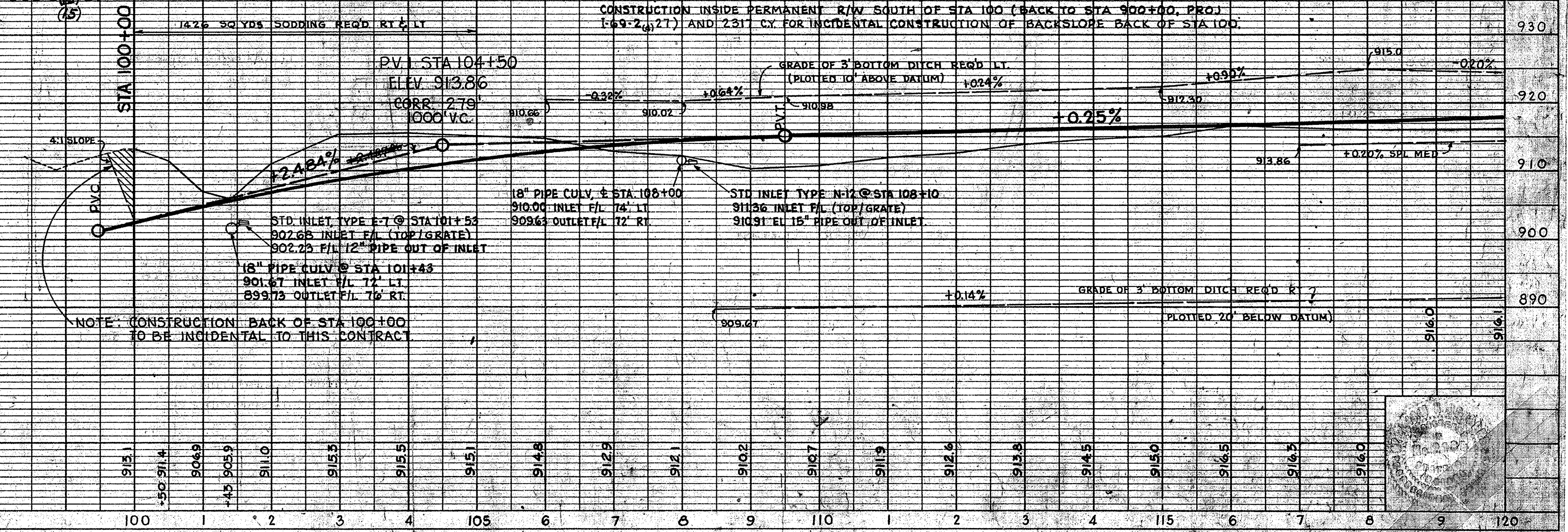
LIMITED ACCESS RIGHT OF WAY (L.A.R.W.) TO BE FENCED WITH FARM FIELD TYPE FENCE (FFT.FENCE) OR CHAIN LINK TYPE FENCE (CLT.FENCE) AS SPECIFIED IN THE PLANS.

BEGIN PROJ NO I-69-2(32)33
END PROJ NO I-69-2(15)30

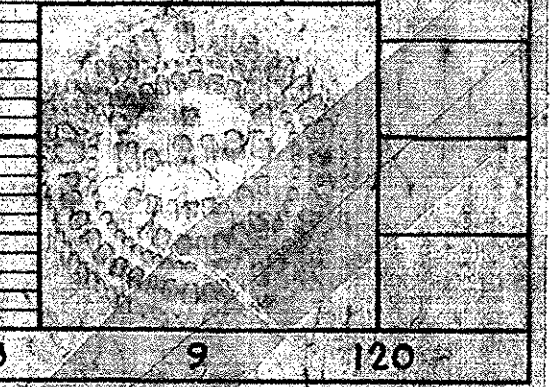
BALANCE NO. 1	
CUT	38,387 C.Y.
FILL + 25%	8,115 C.Y.
OVERHAUL	36,387 C.Y.
ADDED HAUL	15,328 UNITS

ABOVE OVERHAUL TO BE USED IN BALANCES 2 & 3

ABOVE QUANTITIES INCLUDE 5528 C.Y. OF CUT ESTIMATED FOR TEMPORARY OUTLET DITCH CONSTRUCTION INSIDE PERMANENT R/W SOUTH OF STA 100 (BACK TO STA 900+00, PROJ. I-69-2(4)27) AND 231 C.Y. FOR INCIDENTAL CONSTRUCTION OF BACKSLOPE BACK OF STA 100.



NOTE: CONSTRUCTION BACK OF STA 100+00 TO BE INCIDENTAL TO THIS CONTRACT

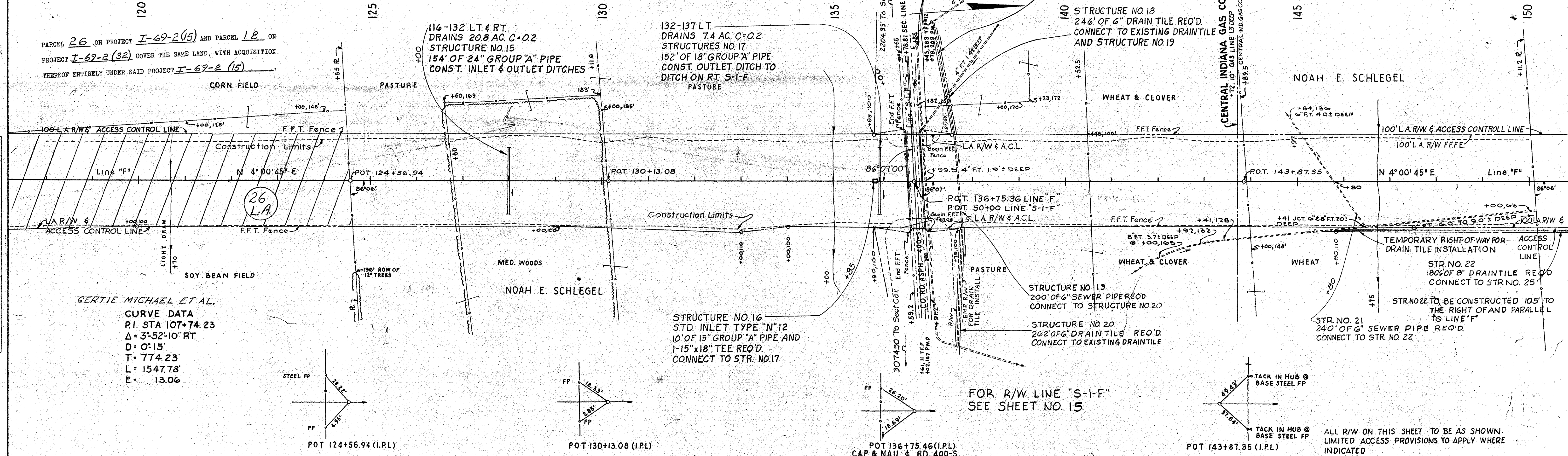


SEC 1, T-19-N, R-8-E
SALEM TWP, DELAWARE CO.

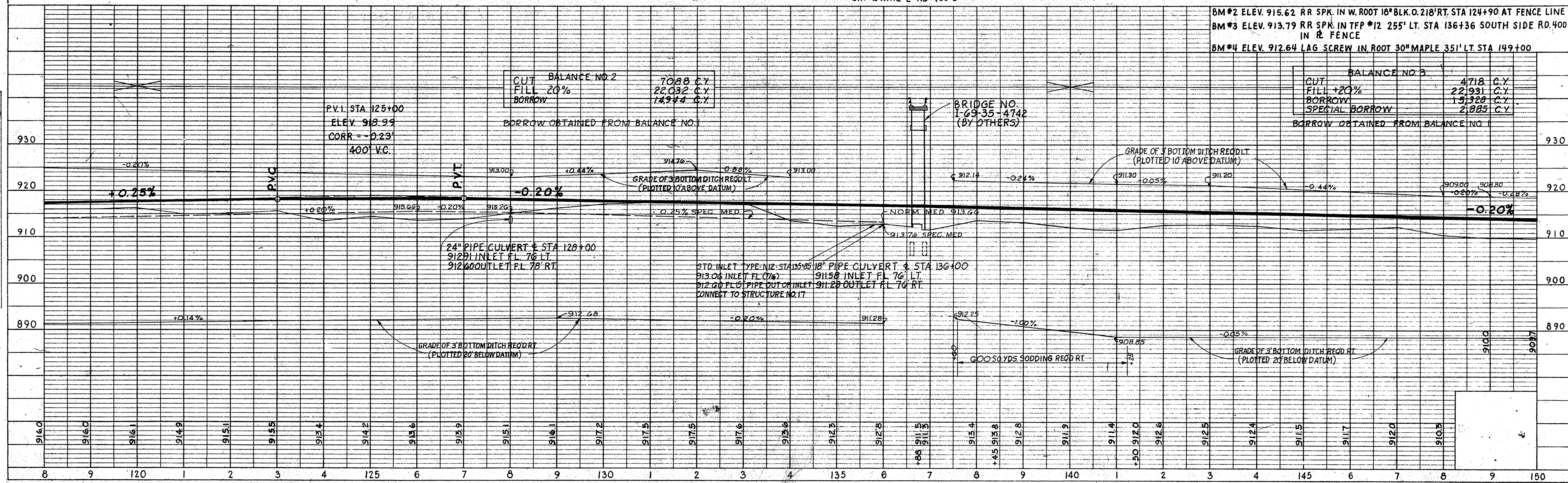
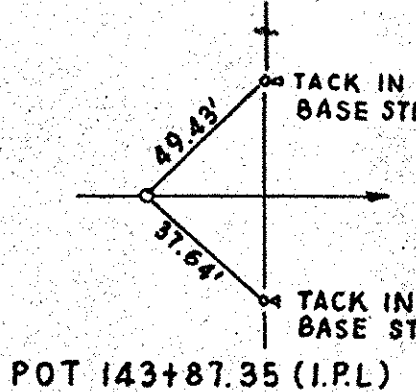
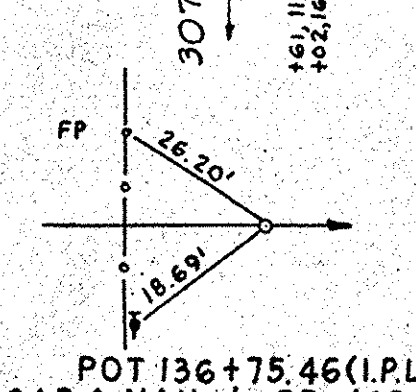
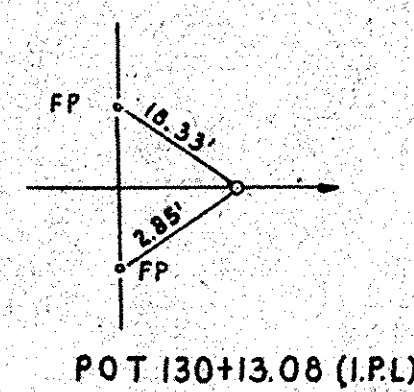
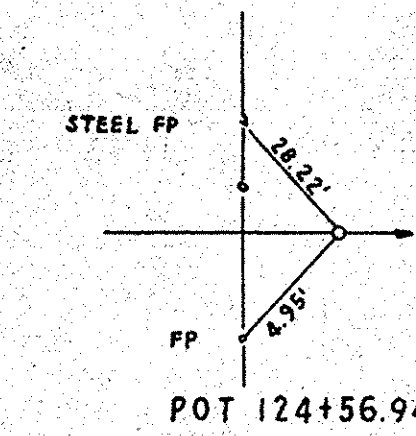
SEC 36, T-20-N, R-8-E
SALEM TWP, DELAWARE CO.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	1-69-2(15)	1961	15	33

I-69-2(15)30



GERTIE MICHAEL ET AL.
CURVE DATA
P.I. STA 107+74.23
Δ = 3°-52'-10" RT.
D = 0°-15'
T = 774.23'
L = 1547.78'
E = 13.06'

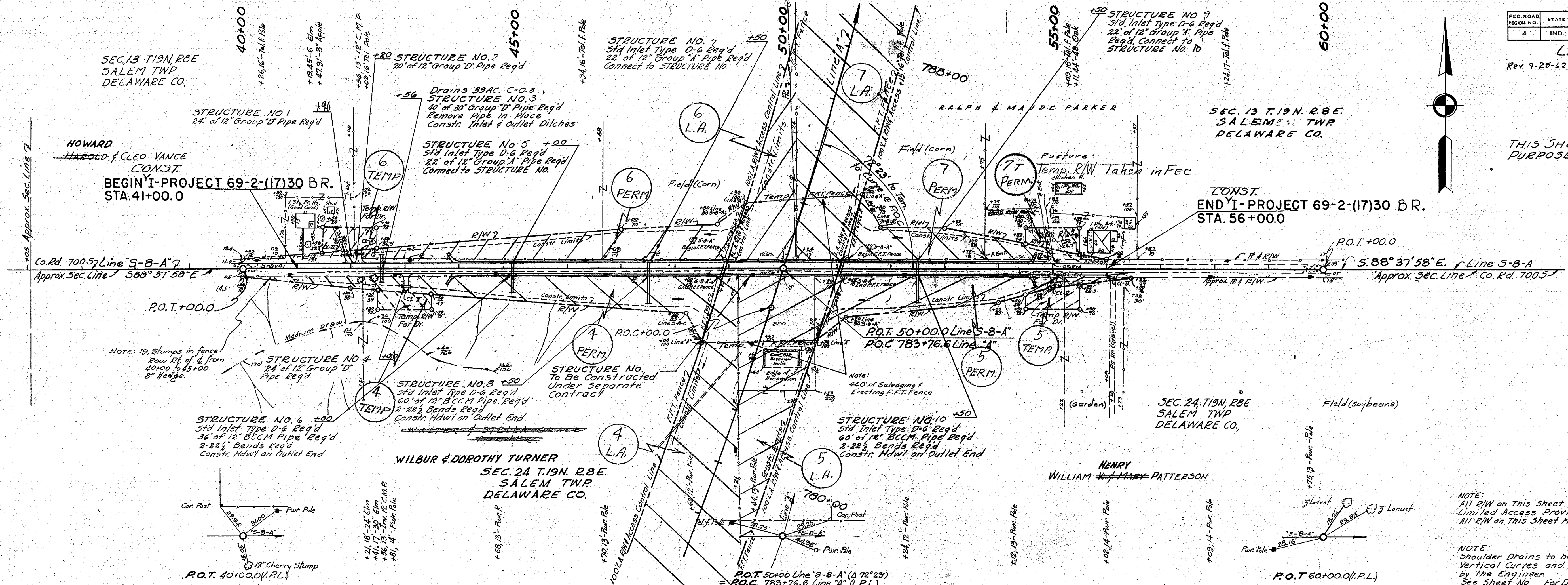
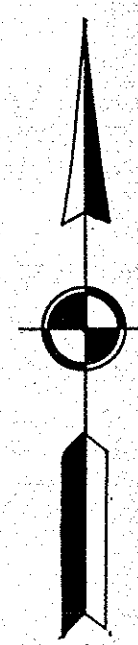


FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	69-2(17)30	1960	16	33

Line "S-8-A"

Rev. 9-25-62 Temp. R/W to Perm. R/W

THIS SHEET FOR INFORMATION PURPOSE ONLY

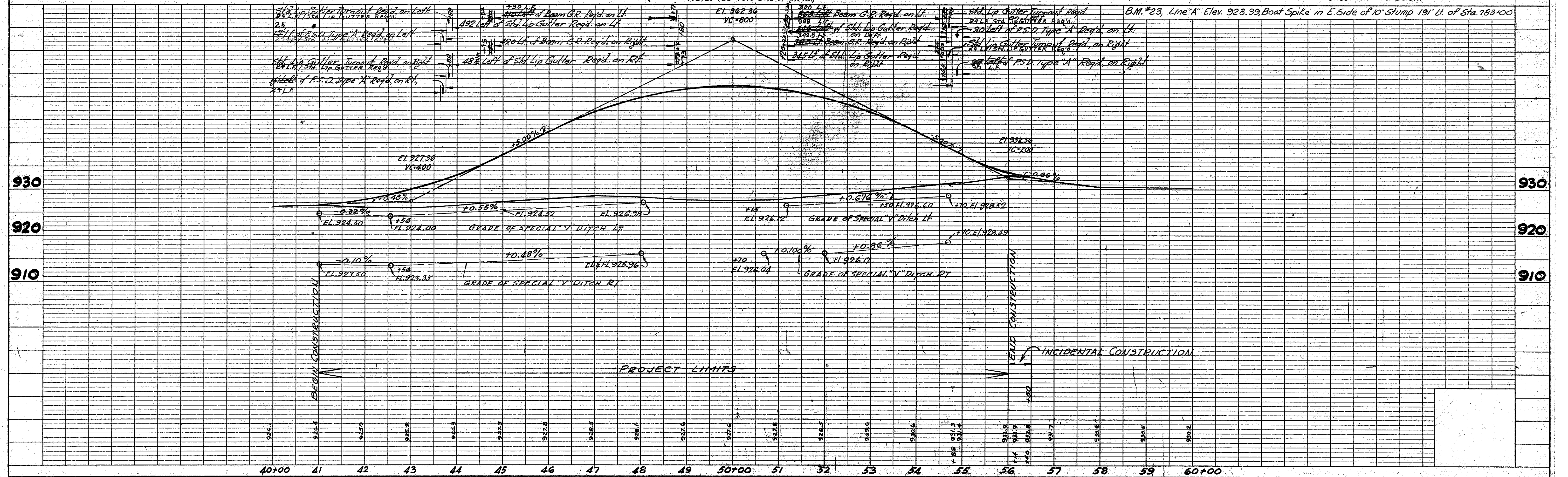


DATE	BY
2/2/59	J. B. Lewis
2/2/59	C. B. Gaskins
2/2/59	C. B. Gaskins

DATE	BY
2/2/59	J. B. Lewis
2/2/59	C. B. Gaskins
2/2/59	C. B. Gaskins

NOTE: All R/W on This Sheet as Shown. Limited Access Provisions to Apply Where Noted. All R/W on This Sheet Measured From Survey Center Line.

NOTE: Shoulder Drains to be Constructed in all Sag Vertical Curves and at Other Locations Directed by the Engineer. See Sheet No. for Detail.



DATE	BY
2/2/59	J. B. Lewis
2/2/59	C. B. Gaskins
2/2/59	C. B. Gaskins

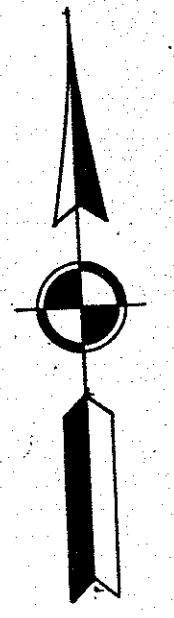
DATE	BY
2/2/59	J. B. Lewis
2/2/59	C. B. Gaskins
2/2/59	C. B. Gaskins

DATE 7-23-30
 BY G. M. G. G. G.
 SURVEYED
 NOTE BOOK NO. 2722-7
 PLAN
 SURVEYED
 ALIGNMENT CHECKED
 BT. OF WAY CHECKED

DATE 7-23-30
 BY G. M. G. G. G.
 SURVEYED
 NOTE BOOK NO. 2722-7
 PROFILE
 UTTER CHECKED
 B. M. S. NOTED
 STRUCTURE NOTATIONS OK'D.

Line 5-10-A

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	100-2(19)20	1960	17	33



SEC. 11, T. 19N., R. 28E.
 UNION TWP.
 MADISON CO.

SEC. 12, T. 19N., R. 28E.
 SALEM TWP.
 DELAWARE CO.

ELBERT H. & ELLEN G. HARGIS
 (All title)

FRED & GENIETH GENTRY

ROBERT F. CHARLOTTE J. GASTERISON

P.O.T. 29+83.7

Line 5-10-A

SR #67 (Bit. over Conc.)

588°20'02"E

11 PERM

Bean (stubble)

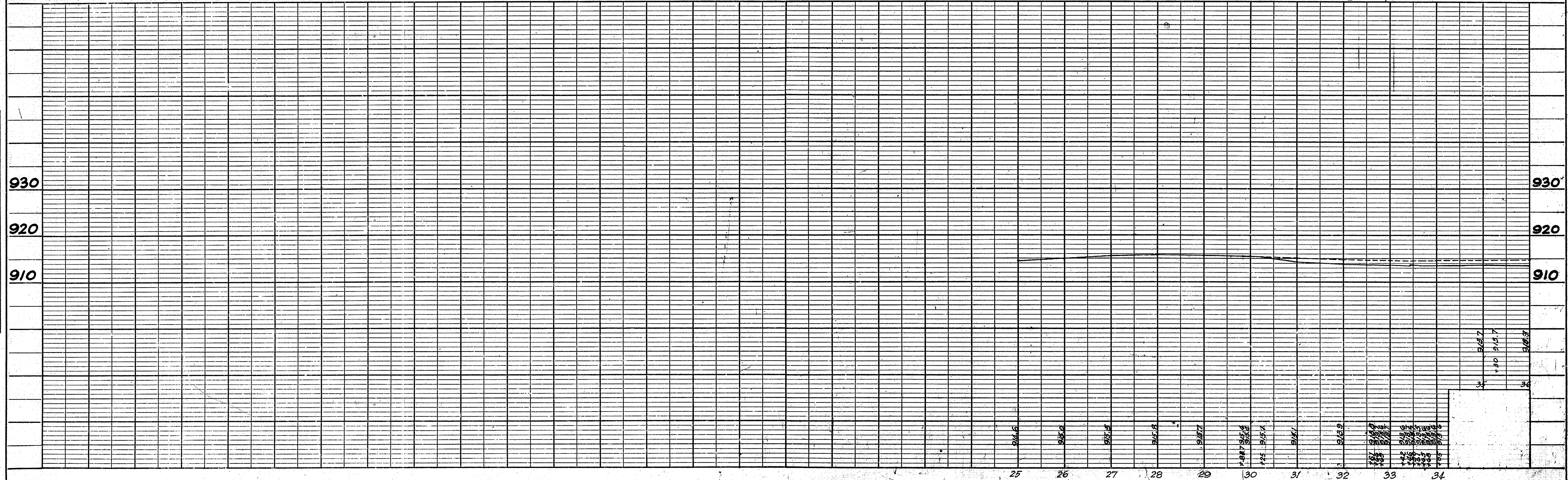
WILLIAM & BESSIE ROZELLE

SEC. 11, T. 19N., R. 28E.
 UNION TWP.
 MADISON CO.

SEC. 12, T. 19N., R. 28E.
 SALEM TWP.
 DELAWARE CO.

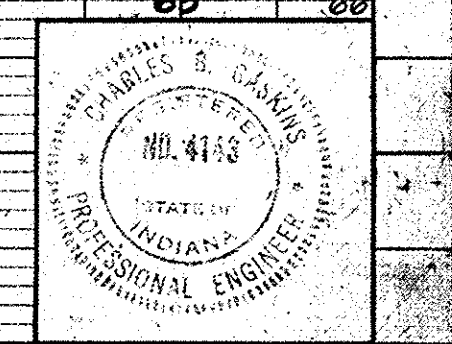
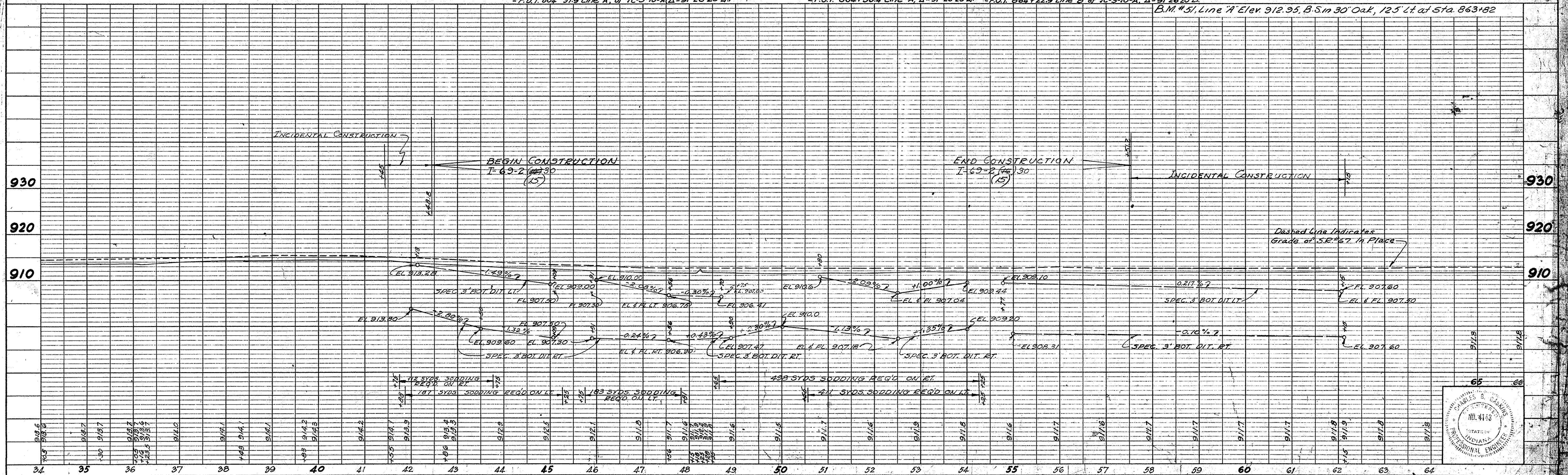
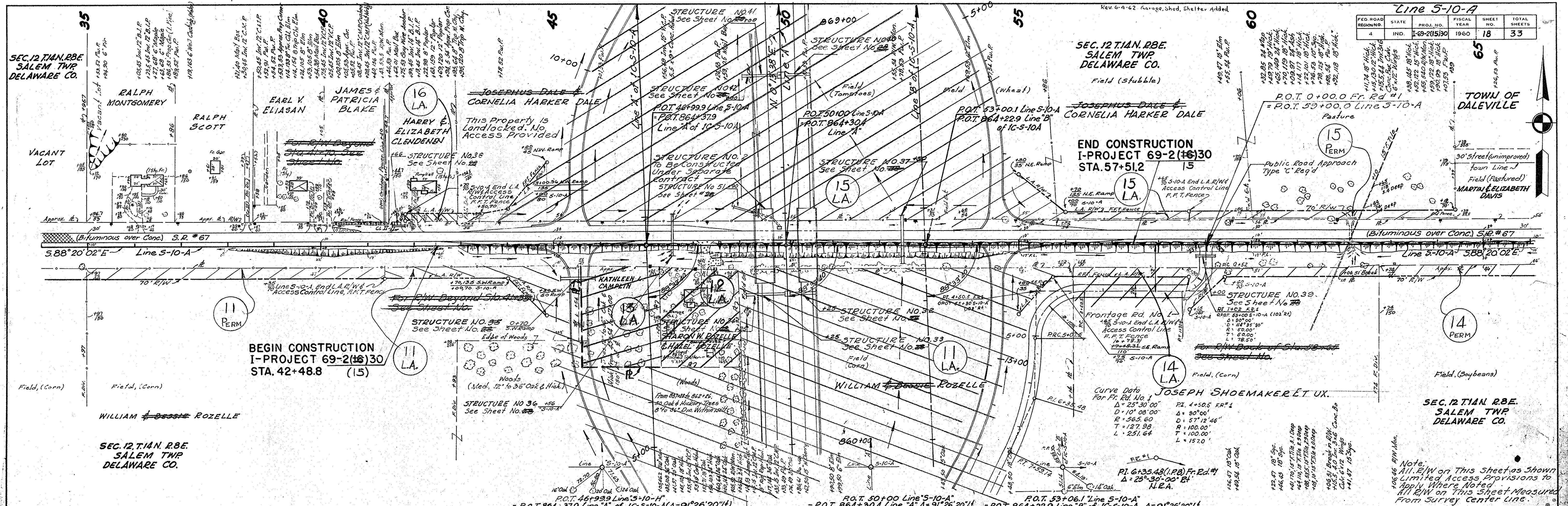
Note:
 All R/W on This Sheet as Shown.
 Limited Access Provisions to Apply Where Noted.
 All R/W on This Sheet Measured From Survey Center Line

Line 5-10-A
 P.O.T. 29+83.7 (I.P.R.) & County Line Road



Rev 6-4-62 Garage, Shed, Shelter Added

FED. ROAD DISTRICT	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-69-2(15)30	1960	18	33



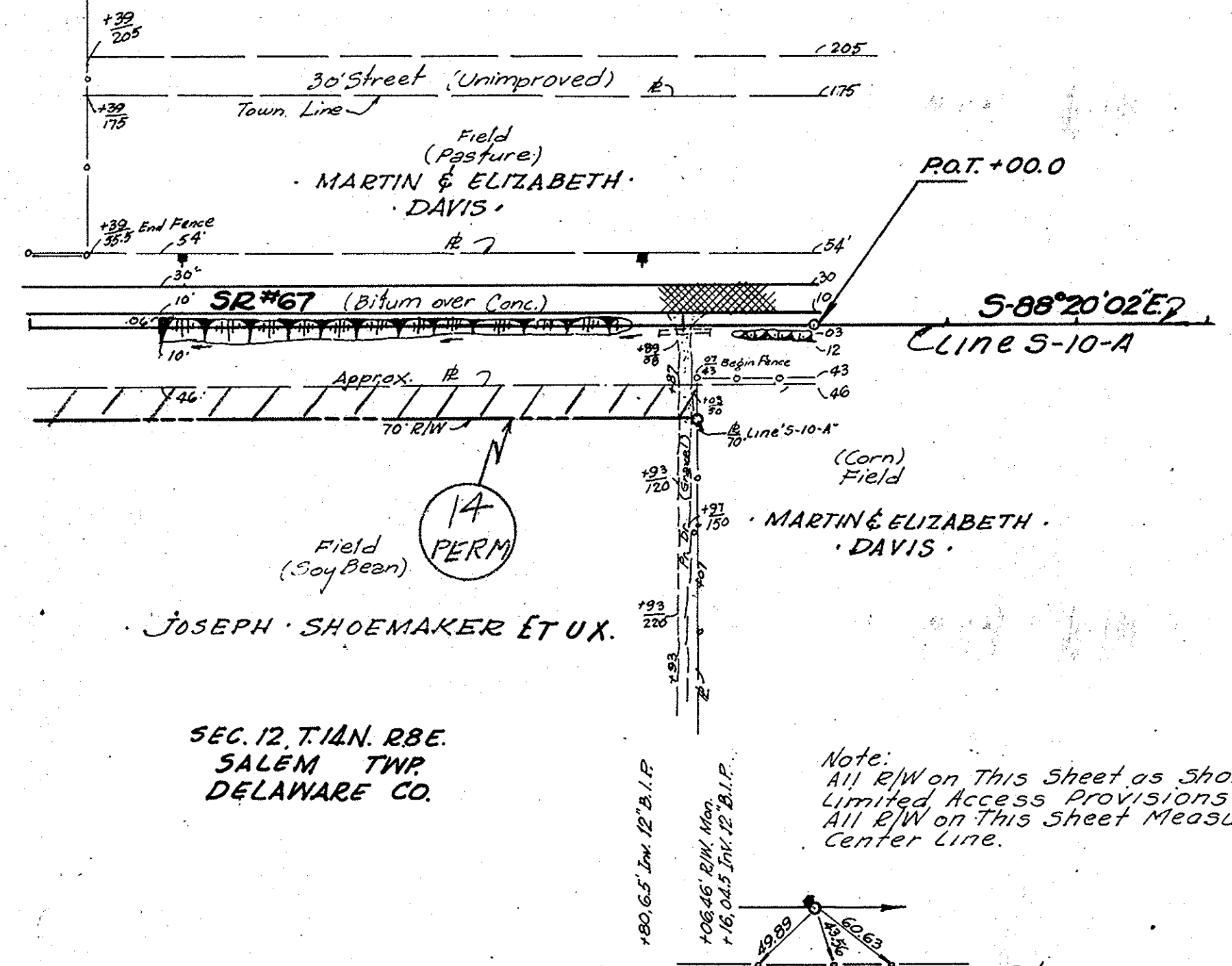
PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNMENT CHECKED
NO. 52726-4
RT. OF WAY CHECKED
NO. 52726-4

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
GRADES CHECKED
NO. 52726-4
STRUCTURE NOTATIONS CHECKED
NO. 52726-4

Line 5-10-A				
FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	2-69-2(10)33	1960	33

SEC. 12, T. 14N, R. 8E.
SALEM TWP.
DELAWARE CO.

TOWN OF DALEVILLE



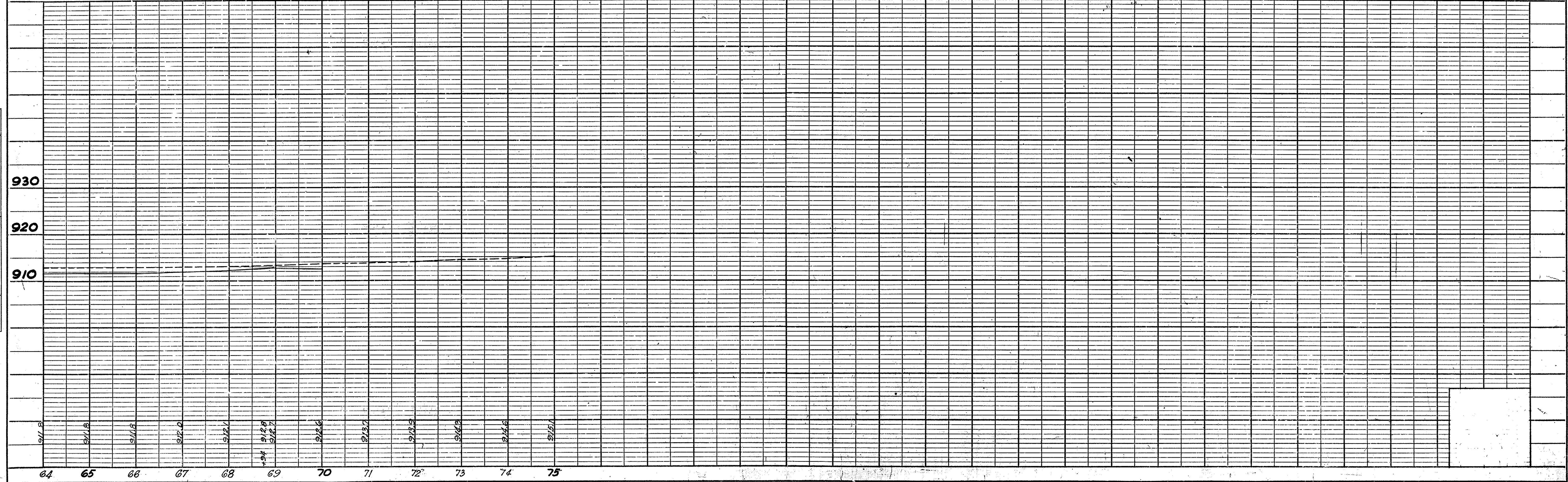
SEC. 12, T. 14N, R. 8E.
SALEM TWP.
DELAWARE CO.

Note:
All R/W on This Sheet as Shown
Limited Access Provisions to Apply Where Note
All R/W on This Sheet Measured From Survey
Center Line.

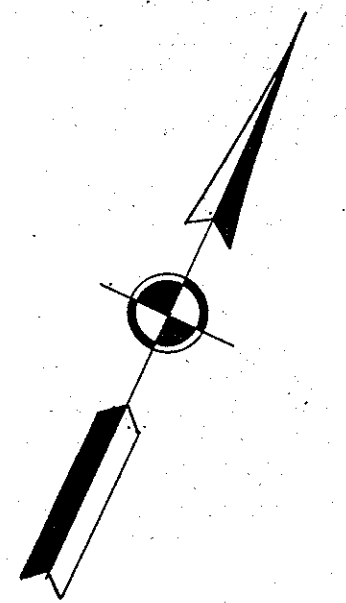
All References are to Wood Fence Posts.
P.O.T. 70+00 (I.P.L.)
= End Line 5-10-A

DATE	1-27-60
BY	G. H. ZIGGERS
SURVEYED	G. H. ZIGGERS
PLOTTED	G. H. ZIGGERS
NOTE BOOK	NO. 8372-7
CHECKED	C. E. BELL
BIT. OF WAY CHECKED	

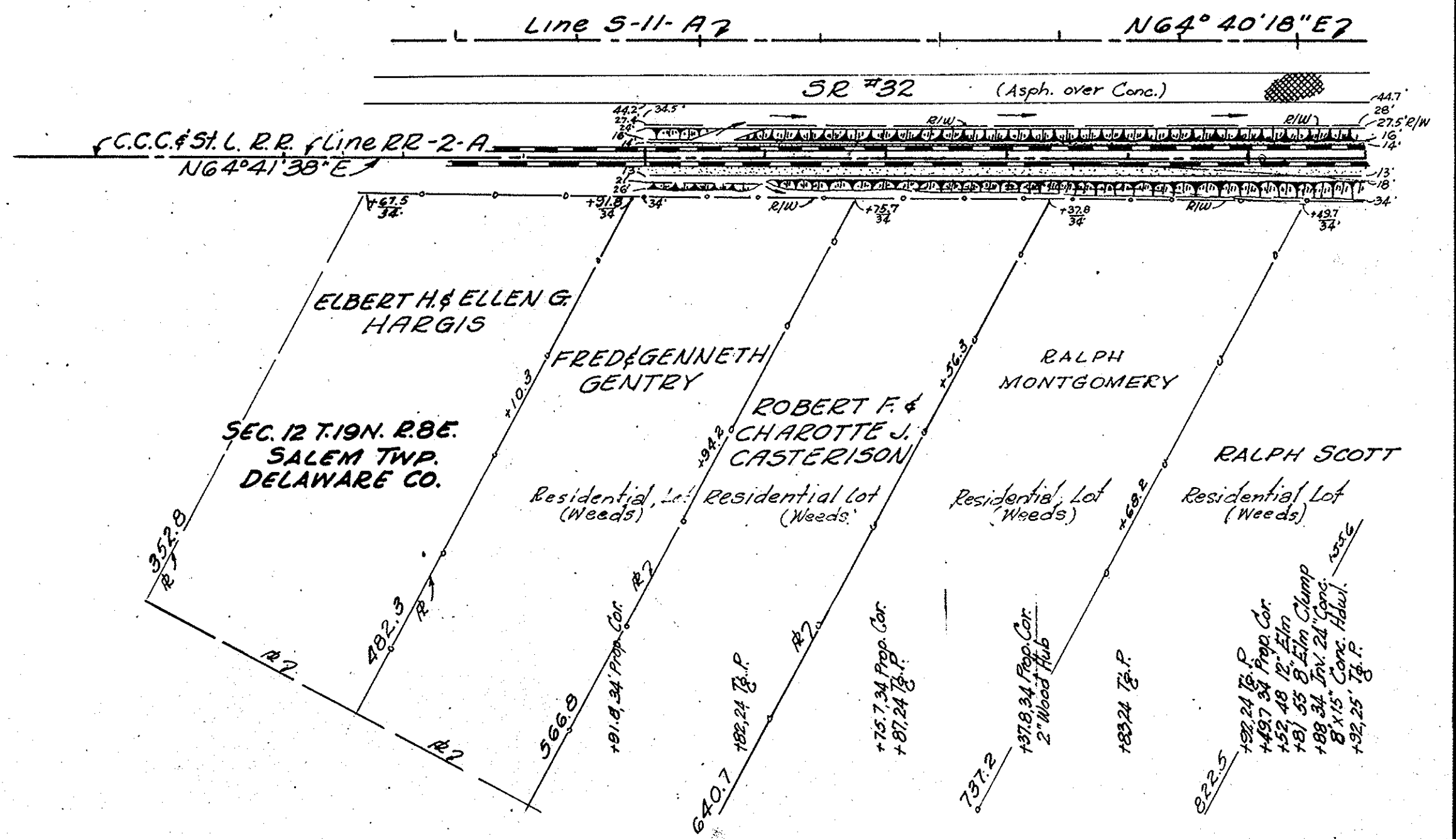
DATE	1-27-60
BY	G. H. ZIGGERS
SURVEYED	G. H. ZIGGERS
PLOTTED	G. H. ZIGGERS
NOTE BOOK	NO. 8372-7
CHECKED	C. E. BELL
STRUCTURE NOTATIONS CHKD.	



Line RR-2-A				
FED. ROAD DIST. OR AM.	STATE	PROJ. NO.	FISCAL YEAR	TOTAL SHEETS
4	IND.	169-2(10)30	1960	20 33



SEC. 12 T. 19 N. R. 8 E.
SALEM TWP.
DELAWARE CO.

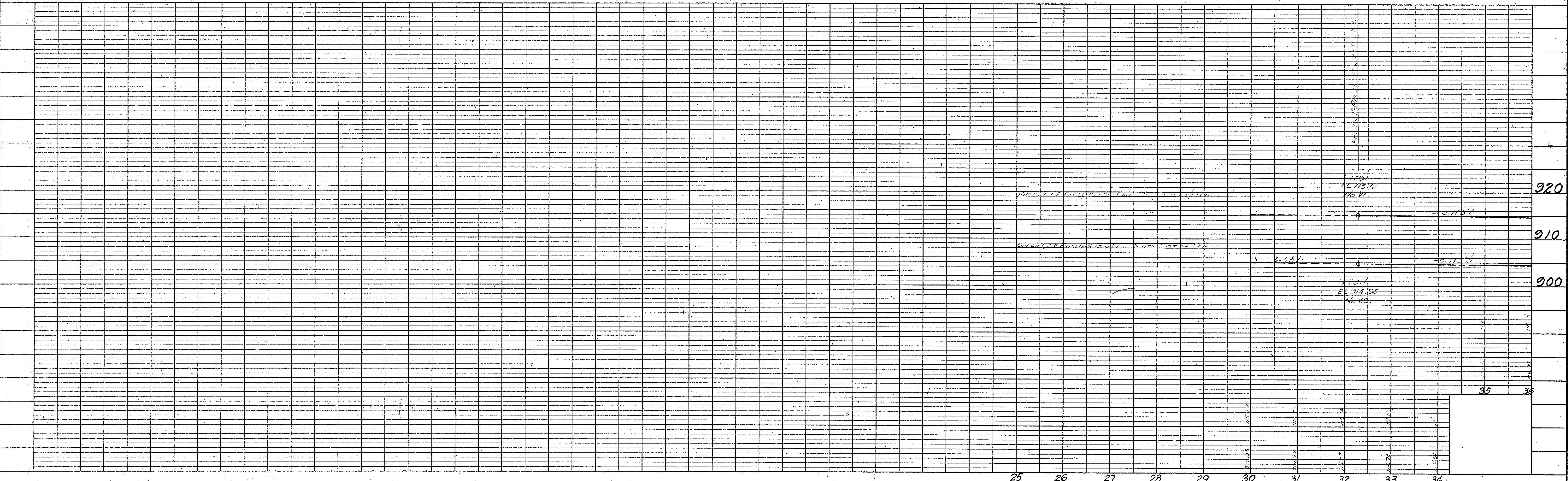


DATE	BY
5-23-60	C. LEVINS
5-23-60	C. LEVINS

SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURE LOCATIONS CHECKED
 NOTE BOOK ALIGNMENT CHECKED, RT. OF WAY CHECKED
 NO. 832-A

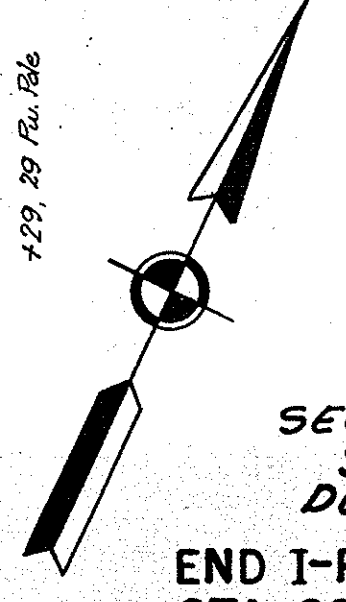
DATE	BY
5-23-60	C. LEVINS
5-23-60	C. LEVINS

SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURE LOCATIONS CHECKED
 NOTE BOOK GRADES CHECKED, STRUCTURE LOCATIONS CHECKED
 NO. 832-A



PROJ.	LINE	SHEET	FILE
169-2(10)30	RR-2-A	20	

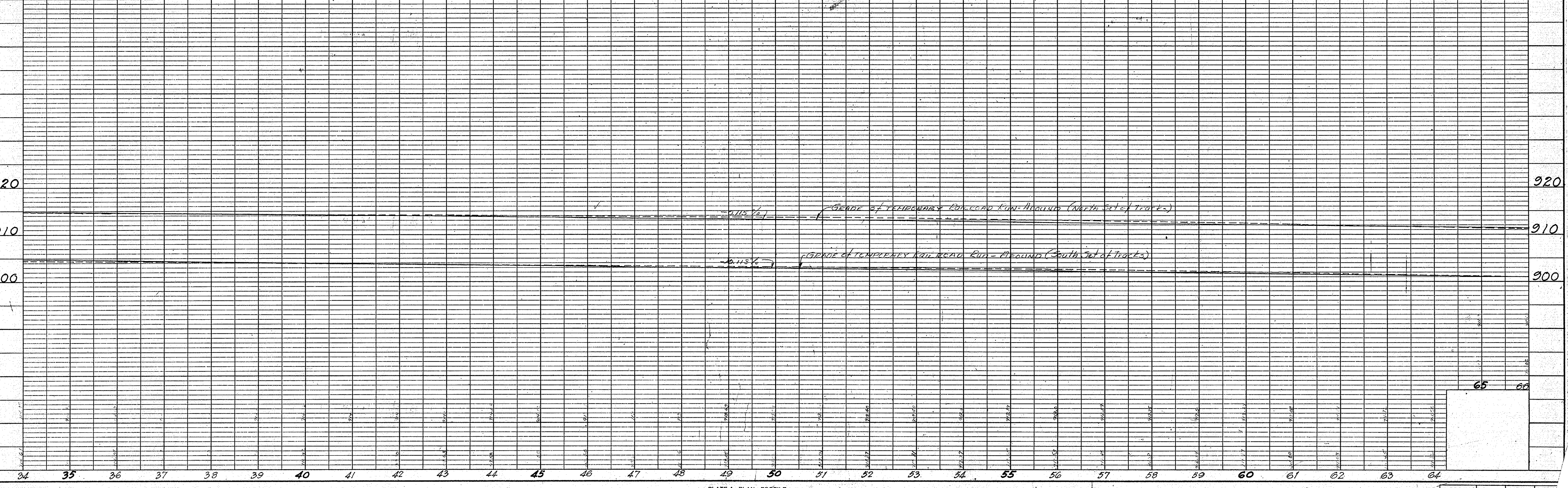
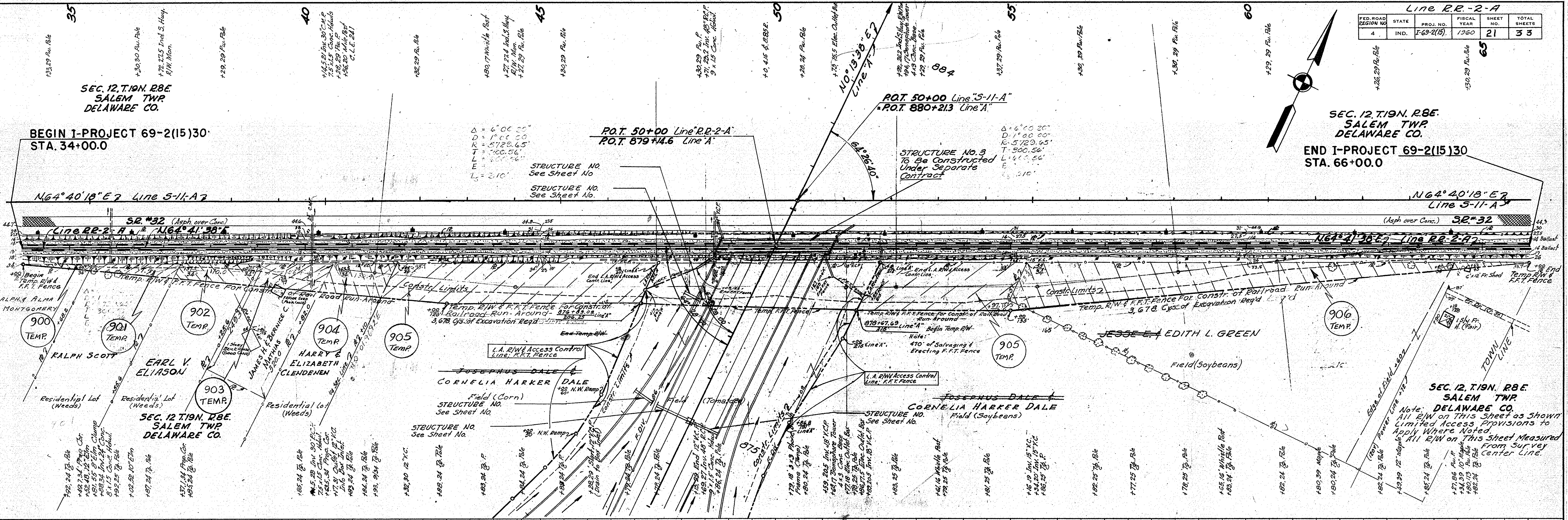
FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	F-69-2(15)	1960	21	33



SEC. 12, T. 19N. R. 8E.
SALEM TWP.
DELAWARE CO.

SEC. 12, T. 19N. R. 8E.
SALEM TWP.
DELAWARE CO.
END I-PROJECT 69-2(15)30
STA. 66+00.0

BEGIN I-PROJECT 69-2(15)30
STA. 34+00.0



PLAN

DATE	12-24-59
BY	G.M. KINGS
CHECKED	A. HODGES
NOTED	C. LEWIS

NOTE: BOOK NO. 6922-Z

PROFILE

DATE	12-24-59
BY	G.M. KINGS
CHECKED	A. HODGES
NOTED	C. LEWIS

NOTE: BOOK NO. 6922-Z

Line "RR-2-A"

FED. ROAD REGION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-692(15)A	1960	22	33

PLAN

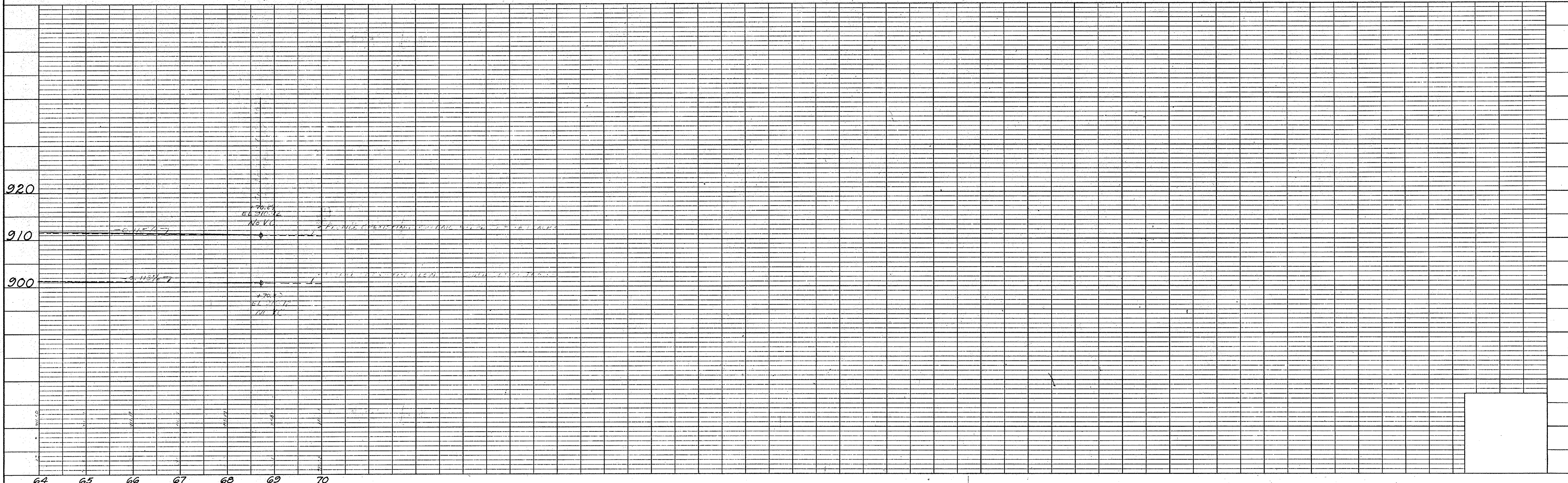
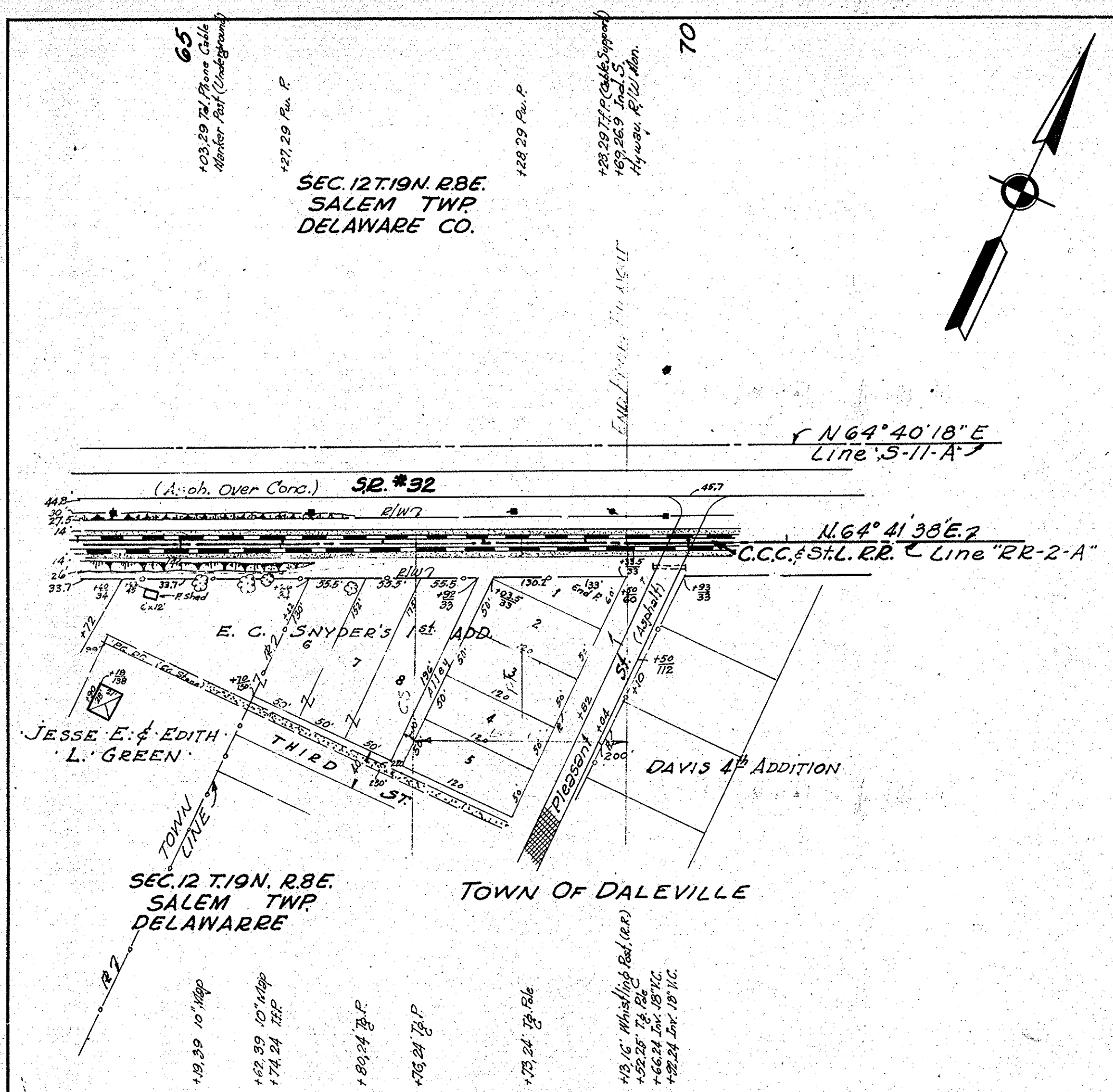
DATE	BY
7/22/60	G.H.P. 1953
7/23/60	C.E. 1953
7/25/60	C.E. 1953

NOTE BOOK NO. 8232-L
RT. OF WAY CHECKED
NO. 8232-L

PROFILE

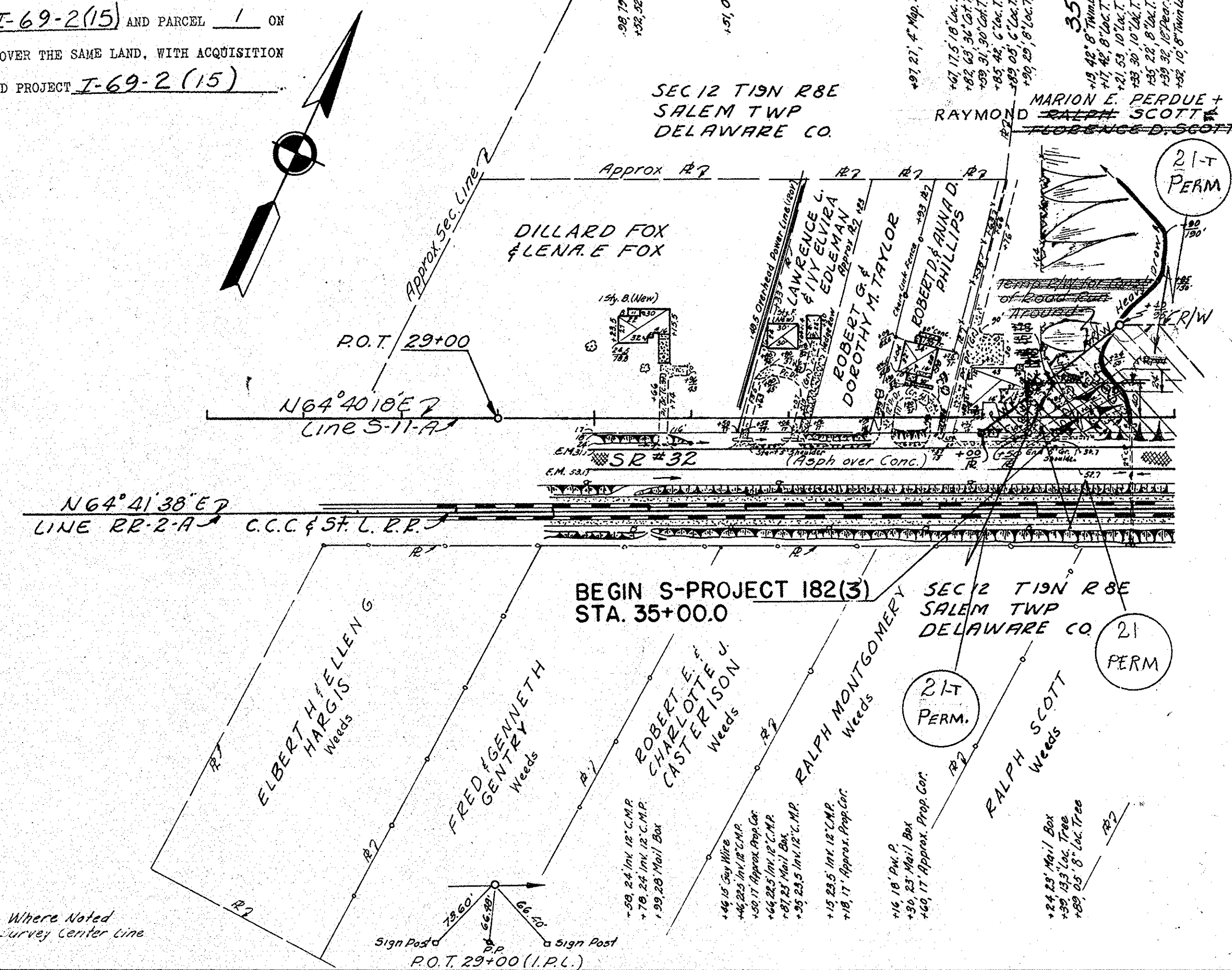
DATE	BY
7/22/60	G.H.P. 1953
7/23/60	C.E. 1953
7/25/60	C.E. 1953

NOTE BOOK NO. 8232-L
M.I. NOTED
STRUCTURE NOTATIONS CHK'D



FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	7-69-2(15)	1960	23	33

PARCEL 21 ON PROJECT 7-69-2(15) AND PARCEL 1 ON PROJECT S-182(3) COVER THE SAME LAND, WITH ACQUISITION THEREOF ENTIRELY UNDER SAID PROJECT 7-69-2(15)



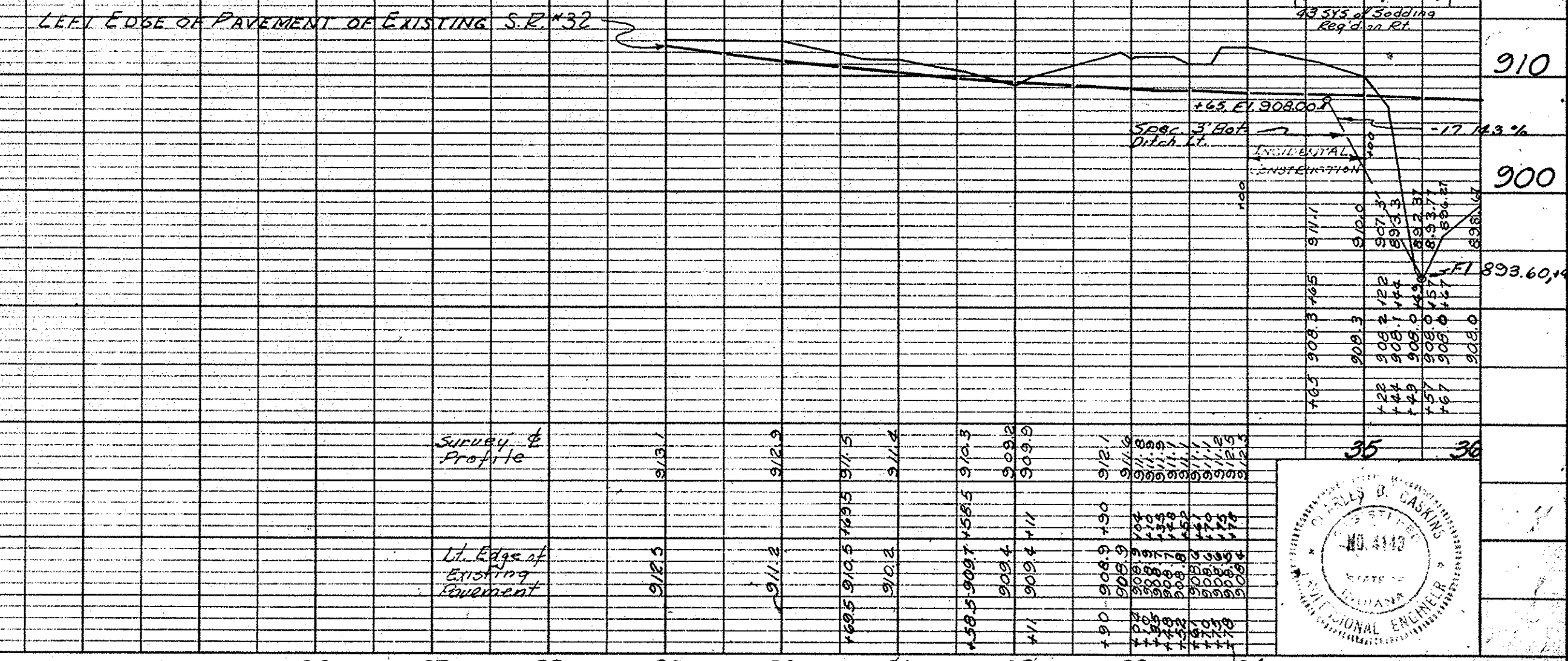
UTILITY OWNERS

INDIANA BELL TELEPHONE Co, 121 East 11th Street
ANDERSON, INDIANA
INDIANA MICHIGAN ELECTRIC Co, 117 North Mulberry Street,
MUNCIE, INDIANA
Mr. R. L. GEIS, DIVISION ENGINEER, NEW YORK CENTRAL RAILROAD
SPRINGFIELD OHIO

Note:
All R/W on This Sheet as Shown
Limited Access Provisions to Apply Where Noted
All R/W on This Sheet Measured From Survey Center Line

GENERAL NOTES

Standard Cross Section E-11-JR Revised 8-11-61 as Shown on Sheet No. 3
Shall be Used on This Project.
Typical Cross Sections as Shown on Sheet No's 5, 6, 7 & 8 Shall be Used on This Project.
State Highway Department of Indiana Standard Specifications, Dated 1960 Shall be Used With These Plans.
Standards Under Dates as Listed in the Index on the Title Sheet Shall be Used on This Project.
Grade Line as Shown on Profile Represents Top of Finished Surface at Median Edge.
Special Ditch Grades on the Right are Plotted 10' Below Datum on Plan & Profile Sheets.
Special Median Ditch Grades are Plotted 10' Above Datum on Plan and Profile Sheets.
All Ditches on 1% Grade or Over Shall be Sodded Except Where Paved Side Ditch is to be Constructed.
All Ditches on 3% Grade or Over, and at Other Locations Where Specified on Plans, Shall be Paved.
Sodding Shall be Placed Along Paved Side Ditch as Shown on Misc. Standard Sheet "E".
All Shoulders, Cut and Fill Slopes, Shall be Plain or Mulch Seeded Except Where Sodding is Specified.
Shoulders Shall be Sodded as Shown on Typical Cross Section Sheet No's 5, 6, 7 & 8.
Quantities for Headwalls are Based on "Standard Headwall for Retaining 2:1 Slopes and Private Drive Headwalls for Retaining 4:1 Slopes".
For Kinds of Pipe Permitted for Each Size and Group As Shown in Each Structure Note, See Misc. Standard Sheet "P" & R.
All Limited Access Right of Way (L.A.R.W.) to be Fenced With Farm Field Type Fence (F.F.T. Fence).
Excavation Quantities as Shown on Plan and Profile Sheets Include Estimated Quantities for Private Drives and Public Road Approaches, See Table on Sheet No. 32.



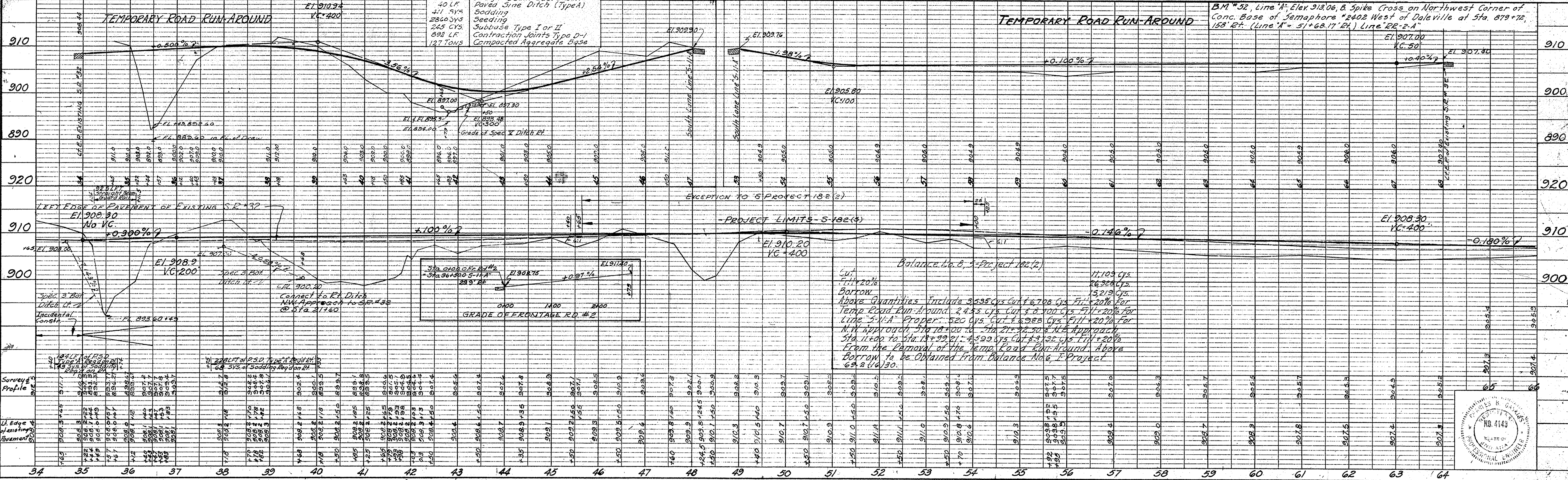
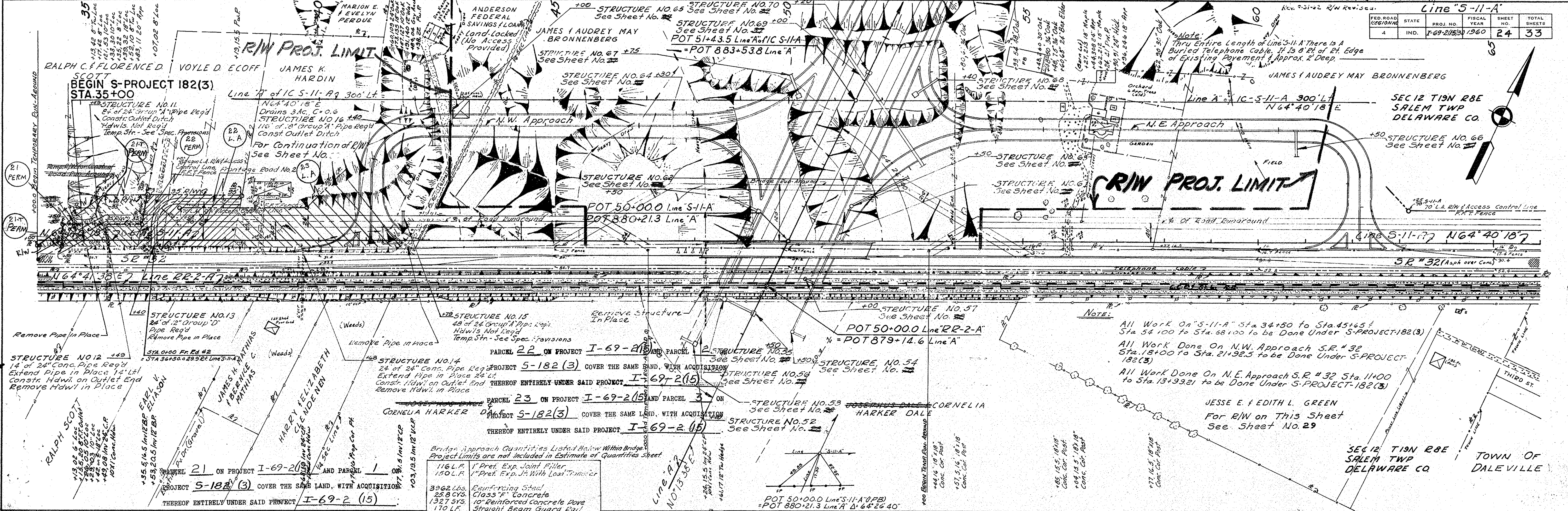
PLAN

DATE	1-24-60
BY	A. Hoopes
NOTED	C. Leigs
NO.	62327

PROFILE

DATE	1-24-60
BY	A. Hoopes
NOTED	C. Leigs
NO.	62327

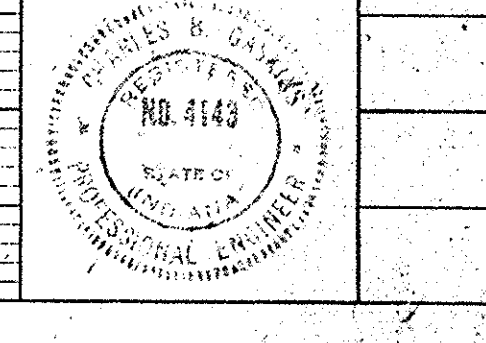
ROAD NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-69-2(15)	1960	24	33



DATE	BY	REVISION
11-20-60	C. H. HARRIS	1. PREPARED
12-14-60	C. H. HARRIS	2. REVISED
1-11-61	C. H. HARRIS	3. REVISED
2-14-61	C. H. HARRIS	4. REVISED
3-14-61	C. H. HARRIS	5. REVISED

DATE	BY	REVISION
11-20-60	C. H. HARRIS	1. PREPARED
12-14-60	C. H. HARRIS	2. REVISED
1-11-61	C. H. HARRIS	3. REVISED
2-14-61	C. H. HARRIS	4. REVISED
3-14-61	C. H. HARRIS	5. REVISED

Station	Elevation	Notes
34	908.0	Left Edge of Pavement of Existing S.R. #32
35	908.0	
36	908.0	
37	908.0	
38	908.0	
39	908.0	
40	908.0	
41	908.0	
42	908.0	
43	908.0	
44	908.0	
45	908.0	
46	908.0	
47	908.0	
48	908.0	
49	908.0	
50	908.0	
51	908.0	
52	908.0	
53	908.0	
54	908.0	
55	908.0	
56	908.0	
57	908.0	
58	908.0	
59	908.0	
60	908.0	
61	908.0	
62	908.0	
63	908.0	
64	908.0	



FED. ROAD DISTRICT NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	I-69-2(15)	1960	25	33

END S-PROJECT 182(3)
STA. 67+44.76

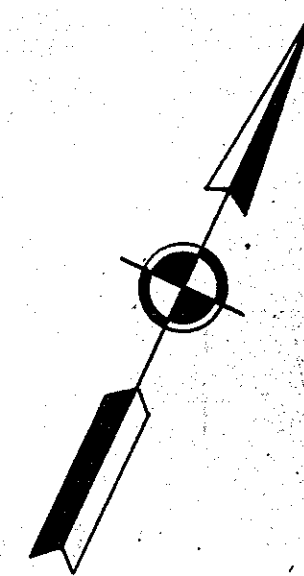
SEC. 12, T. 19N, R. 8E
SALEM TWP
DELAWARE CO.
JAMES & AUDREY MAY
BRONNENBERG
For R/W Back of Sta. 67+00
See Sheet No. 24

SEC. 10, T. 19N, R. 8E
SALEM TWP
DELAWARE CO.

Orchard

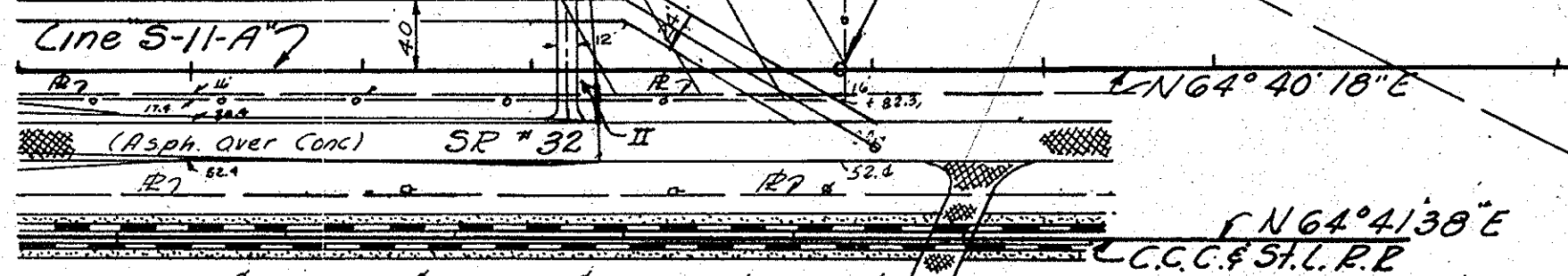
VIVIAN
BRONNENBERG
POT 68+79.3

PARCEL 25 ON PROJECT I-69-2(15) AND PARCEL 5 ON
PROJECT S-182(3) COVER THE SAME LAND, WITH ACQUISITION
THEREOF ENTIRELY UNDER SAID PROJECT I-69-2(15)

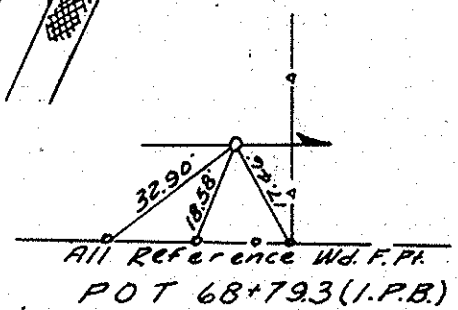


25
PERM 1

End L.A. R/W Access
Control Line, F.T. Fence



JESSE E. &
EDITH L.
GREEN
TOWN OF DALEVILLE
SEC. 12 T. 19N R. 8E
SALEM TWP
DELAWARE CO.



Note:
All R/W on This Sheet as Shown
Limited Access Provisions to Apply Where Noted
All R/W on This Sheet Measured From Survey Center Line

PLAN

DATE	BY
5-11-60	A. H. HARRIS
5-11-60	C. L. LEWIS

REVISIONS

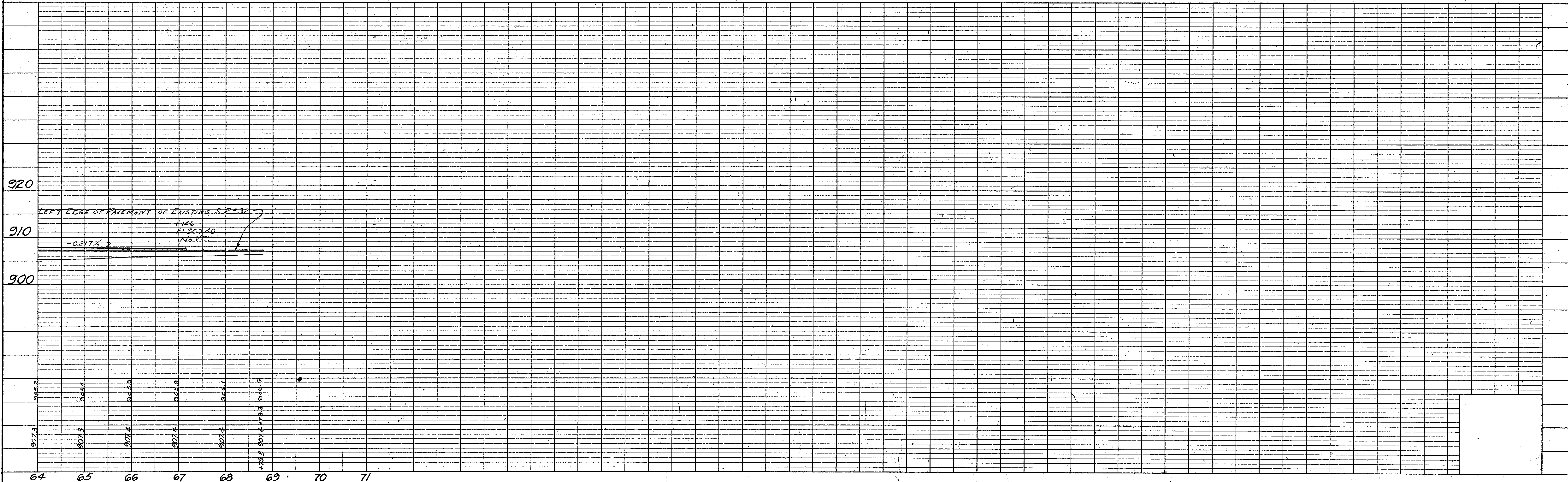
NO.	DESCRIPTION
1	ALIGNMENT CHECKED
2	RT. OF WAY CHECKED

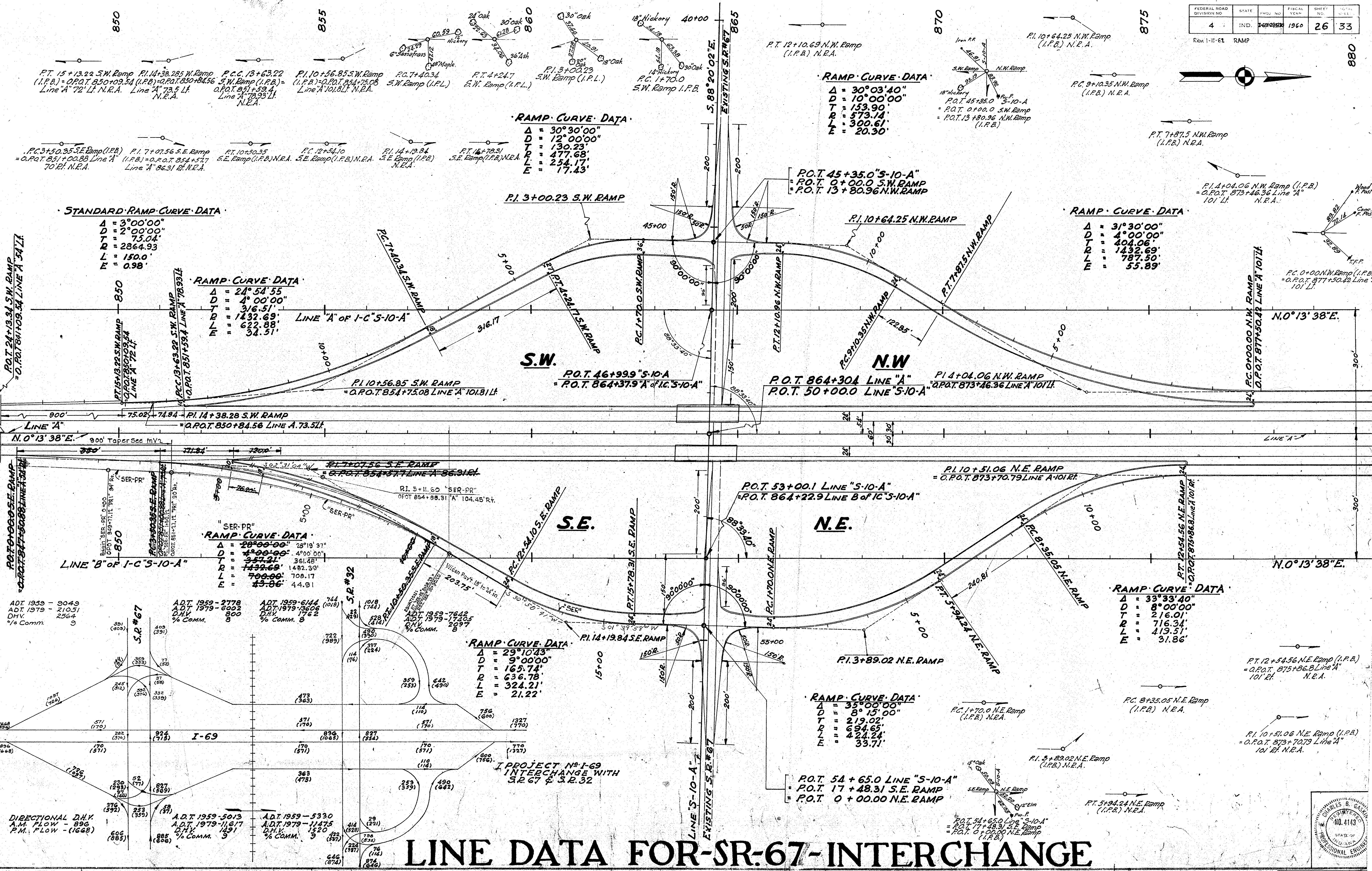
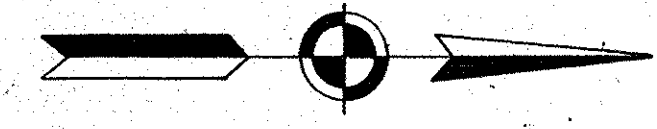
PROFILE

DATE	BY
5-11-60	A. H. HARRIS
5-11-60	C. L. LEWIS

REVISIONS

NO.	DESCRIPTION
1	GRADES CHECKED
2	NOTED
3	STAKE PLACEMENTS CHECKED





PT. 15+13.22 S.W. Ramp (I.P.B.)
 (I.P.B.) = O.P.O.T. 850+09.54 (I.P.B.)
 Line "A" 72' Lt. N.E.A.

PT. 14+38.28 S.W. Ramp
 P.C.C. 13+63.22
 S.W. Ramp (I.P.B.) = O.P.O.T. 850+84.56
 Line "A" 73.5 Lt. N.E.A.

PT. 10+56.85 S.W. Ramp
 (I.P.B.) = O.P.O.T. 854+75.08
 Line "A" 101.8 Lt. N.E.A.

PT. 7+40.34 S.W. Ramp (I.P.L.)
 PT. 4+24.7 S.W. Ramp (I.P.L.)
 PT. 3+00.23 S.W. Ramp (I.P.L.)

PT. 12+10.69 N.W. Ramp (I.P.B.) N.E.A.
 PT. 10+64.25 N.W. Ramp (I.P.B.) N.E.A.
 PT. 7+87.5 N.W. Ramp (I.P.B.) N.E.A.

PT. 10+51.06 N.E. Ramp (I.P.B.)
 = O.P.O.T. 873+70.79 Line "A" 101' Lt. N.E.A.

PT. 12+54.56 N.E. Ramp (I.P.B.)
 = O.P.O.T. 875+86.8 Line "A" 101' Lt. N.E.A.

PT. 10+51.06 N.E. Ramp (I.P.B.)
 = O.P.O.T. 873+70.79 Line "A" 101' Lt. N.E.A.

STANDARD RAMP CURVE DATA
 $\Delta = 3^{\circ}00'00''$
 $D = 2^{\circ}00'00''$
 $T = 75.04'$
 $R = 2864.93$
 $L = 150.0'$
 $E = 0.98'$

RAMP CURVE DATA
 $\Delta = 24^{\circ}54'55''$
 $D = 4^{\circ}00'00''$
 $T = 1432.69'$
 $R = 622.88'$
 $L = 34.51'$
 $E = 34.51'$

RAMP CURVE DATA
 $\Delta = 30^{\circ}30'00''$
 $D = 12^{\circ}00'00''$
 $T = 130.23'$
 $R = 477.68'$
 $L = 254.17'$
 $E = 17.43'$

RAMP CURVE DATA
 $\Delta = 30^{\circ}03'40''$
 $D = 10^{\circ}00'00''$
 $T = 133.90'$
 $R = 573.14'$
 $L = 300.61'$
 $E = 20.30'$

RAMP CURVE DATA
 $\Delta = 31^{\circ}30'00''$
 $D = 4^{\circ}00'00''$
 $T = 404.06'$
 $R = 1432.69'$
 $L = 787.50'$
 $E = 55.89'$

RAMP CURVE DATA
 $\Delta = 33^{\circ}33'40''$
 $D = 8^{\circ}00'00''$
 $T = 216.01'$
 $R = 716.34'$
 $L = 419.51'$
 $E = 31.86'$

ADT 1939 - 9049
 ADT 1979 - 21031
 D.H.V. 2564
 % Comm. 9

ADT 1959 - 2778
 ADT 1979 - 6002
 D.H.V. 800
 % Comm. 8

ADT 1959 - 6144
 ADT 1979 - 13606
 D.H.V. 1762
 % Comm. 8

ADT 1959 - 7648
 ADT 1979 - 17265
 D.H.V. 2297
 % Comm. 8

RAMP CURVE DATA
 $\Delta = 29^{\circ}10'43''$
 $D = 9^{\circ}00'00''$
 $T = 165.74'$
 $R = 636.78'$
 $L = 324.21'$
 $E = 21.22'$

RAMP CURVE DATA
 $\Delta = 35^{\circ}00'00''$
 $D = 8^{\circ}15'00''$
 $T = 219.02'$
 $R = 694.65'$
 $L = 424.24'$
 $E = 33.71'$

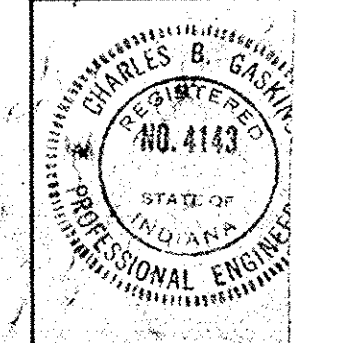
P.O.T. 54+65.0 LINE "S-10-A"
 P.O.T. 17+48.31 S.E. RAMP
 P.O.T. 0+00.00 N.E. RAMP

DIRECTIONAL D.H.V.
 A.M. Flow - 896
 P.M. Flow - 1668

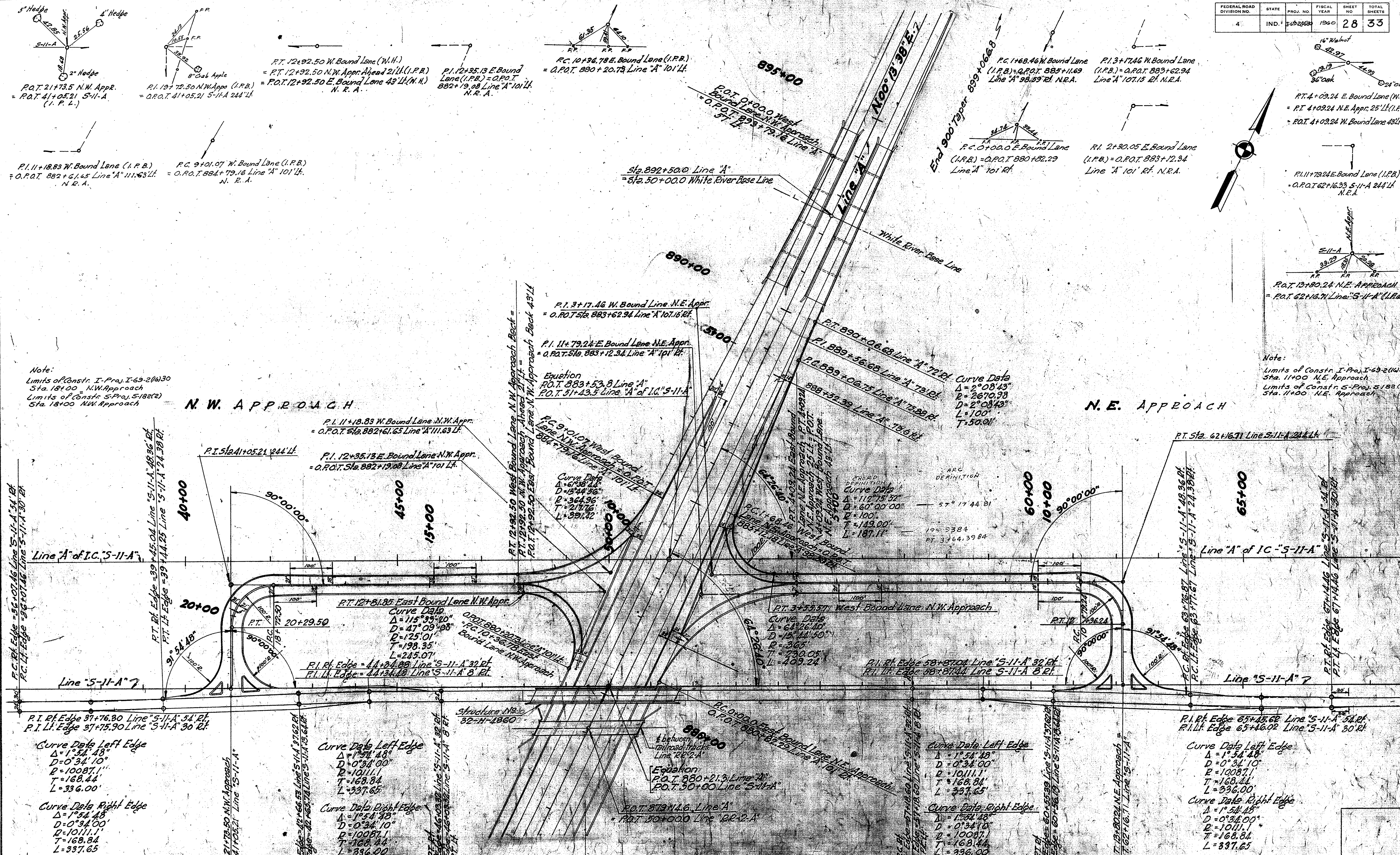
ADT 1959 - 3013
 ADT 1979 - 11617
 D.H.V. 1431
 % Comm. 9

ADT 1959 - 5330
 ADT 1979 - 11475
 D.H.V. 1520
 % Comm. 9

LINE DATA FOR SR-67-INTERCHANGE



FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	269280	1960	28	33



Note:
 Limits of Constr. I- Proj. I-63-2(14)30
 Sta. 18+00 N.W. Approach
 Limits of Constr. S- Proj. S-182(2)
 Sta. 18+00 N.W. Approach

Note:
 Limits of Constr. I- Proj. I-63-2(14)30
 Sta. 11+00 N.E. Approach
 Limits of Constr. S- Proj. S-182(2)
 Sta. 11+00 N.E. Approach

Curve Data Left Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

Curve Data Right Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

Curve Data Left Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

Curve Data Right Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

Curve Data Left Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

Curve Data Right Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

Curve Data Left Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

Curve Data Right Edge
 $\Delta = 1^{\circ}54'48''$
 $D = 0^{\circ}34'10''$
 $R = 10087.1'$
 $T = 168.84'$
 $L = 336.00'$

LINE DATA FOR SR-32 INTERCHANGE

Rev. 9-24-62 Bit. Mix's
 Rev. 11-2-62 3/4" Aggr. Quantities
 Rev. 12-16-62 APPROACHES QUANTITIES REV.

TABLE OF QUANTITIES FOR APPROACHES

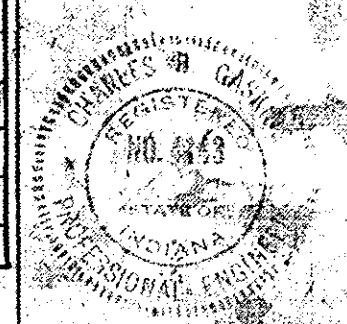
DETAIL	DESCRIPTION	LINE	STATIONS	EXCAVATION		LENGTH FT.	WIDTH FT.	RADII FT.	SUB-BASE TYPE I OR II CYS.	REINFORCED CONCRETE PAVEMENT		REINFORCING STEEL FOR PAVEMENT LBS.	COMPACTED AGGREGATE BASE			WATER FOR COMPACTED AGGREGATE BASE SYS.	INTEGRAL CONC. CURB TYPE "B" LFT.	CONC. CURB TYPE "B" LFT.	INTEGRAL CONC. CURB TYPE "C" LFT.	1" PREFORMED JOINT FILLER LFT.	1" PREFORMED EMPAV- SION JOINT WITH LOAD TRANSFER LFT.	STD PAVED GUTTER LFT.	CONCRETE CENTER CURB TYPE "C" SYS.	FACE GUARD RAIL LFT.	BITUMINOUS SHOULDER SYS.	COMPACTED AGGREGATE SHLDR. SYS.	BITUMINOUS CURB LFT.	PAVED SIDE DITCH TYPE "A" LFT.	SODDING DITCHES SYS.	SODDING SHOULDERS SYS.	CONTRACTION JOINT TYPE "D-1" LFT.	Bituminous Mixtures For Approaches 30.0 # SYD	SODDING MOUNDS LFT.	1/2" PREFORMED JOINT FILLER LFT.	STANDARD LIP GUTTER LFT.	GUIDE POSTS TYPE "A" EACH	SPECIAL BORROW GRADE "B" CYS.	CALCIUM CHLORIDE TONS	SEE DETAIL ON SHEET NO.								
				CUT CYS.	FILL CYS.					10" SYS.	8" SYS.		3" SYS.	5" SYS.	6" SYS.																																
Field Entrance	Class I	"S-7-A"	48+25 Lt	5	20	12	4																																								
Field Entrance	Class I	"S-7-A"	48+50 Lt	12	65	12	4																																								
Field Entrance	Class I	"S-7-A"	51+45 Lt	2	20	12	4																																								
S.W. Ramp	S.R.67 Interchange	Line "A"	841+00.54 Lt	1,772	9,614	2,433	36-14		1,123	5,155	1,402		652	2,052	1,143	839	20	54	54	9		652	165		80	86	1,196	1,160																			
S.E. Ramp	S.R.67 Interchange	Line "A"	847+50.88 Rt	6,453	10,752	18-22			1,158	5,216	791		186	1,809	1,831	1,359	20	48	63	17	186	242		130	30	1,062	1,070																				
N.W. Ramp	S.R.67 Interchange	Line "A"	877+50.42 Lt	24,850	819	24			1,114	5,245	532			1,809		1,359	20	52	63					306	340	262	1,058	1,180																			
N.E. Ramp	S.R.67 Interchange	Line "A"	875+86.80 Rt	14,777	313	24			1,058	5,121	518			2,143		1,339	20	52	34					165	240	275	982	1,149																			
S.R. #67		"S-10-A"		4,931	3,404	2,100	20-44																																								
Frontage Road #1	Pub. Rd. Appr. Type "D"	"S-10-A"	59+00 Rt	262	2,221	1,125	28	25																																							
Field Entrance	Class I	"S-7-A"	5+50 Lt	5	20	12	4																																								
Private Drive	Class II	"S-10-A"	41+65 Lt	17	5	75	12	15-25			53																																				
N.W. Approach	S.R.32 Interchange	Line "A"	893+79.16 Lt	5,963	408	2,135	40-46		1,184	5,278																																					
N.E. Approach	S.R.32 Interchange	Line "A"	899+06.68 Rt	5,305	18	1,392	40-46		1,358	6,373																																					
Private Drive	Class II	"S-7-A"	51+45 Rt	2	25	12	15-25				53																																				

ITEMS LISTED ABOVE ARE INCLUDED ON ESTIMATE OF QUANTITIES SHEET FOR PROJECT 69-2(16)30.

SUBSURFACE DRAINAGE TABLE

LINE	LT. OR RT.	STATION TO STATION	LENGTH GROUP "K" PIPE	LENGTH BCCM PIPE	CONNECT. REQD.	GUIDE POST TYPE "A"	SODDING	REMARKS	LINE	LT. OR RT.	STATION TO STATION	LENGTH GROUP "K" PIPE	LENGTH BCCM PIPE	CONNECT. REQD.	GUIDE POST TYPE "A"	SODDING	REMARKS
			FT.	FT.	EACH	EACH	SYDS.					FT.	FT.	EACH	EACH	SYDS.	
"A"	56' Lt	750+75 to 754+00	325	116	1-90° EL	0	0	Drain Back & Right	"A"	103' Lt	877+50.4 to 880+20.7	269.9	22	1-45° Bend	1	12	Drain Ahead
"A"	56' Rt	750+75 to 754+00	325	26	1-TEE	1	2	Drain Back	NW Ramp	Rt.	0+00 to 8+50	250	20	1-90° EL	1	8	Drain Back
"A"	56' Lt	754+00 to 760+75	675	116	1-90° EL	0	0	Drain Back & Right	NW Ramp	Lt.	8+50 to 13+35	485	40	1-90° EL	1	2	Drain Back & Right
"A"	56' Rt	754+00 to 760+75	675	14	1-TEE	1	2	Drain Back	"A"	103' Rt	875+86.8 to 880+22.3	496					Connect Subsurface
"A"	56' Lt	760+75 to 770+75	1,000	86	1-90° EL	0	0	Drain Back & Right									Drain N.E. Appr. @ Sta. 0+00 & Drain Ahead
"A"	28' Rt	760+75 to 770+75	1,000	56	1-TEE	1	2	Drain Back									
"A"	56' Lt	770+75 to 778+00	725	22	1-90° EL	1	2	Drain Ahead	NE Ramp	Rt.	6+75 to 12+54.6	579	20	1-90° EL	1	2	Drain Ahead
"A"	28' Rt	770+75 to 778+00	725	56	1-90° EL	1	2	Drain Ahead	NE Ramp	Lt.	0+50 to 6+75.0	625	40	1-90° EL	1	2	Drain Ahead & Right
"A"	56' Lt	778+00 to 788+00	1,000	22	1-90° EL	1	2	Drain Back	SE Ramp	Rt.	8+5+21 to 5+25	975	16	1-90° EL	1	2	Drain Back & Right
"A"	28' Rt	778+00 to 788+00	1,000	56	1-90° EL	1	2	Drain Back	SE Ramp	Rt.	5+25 to 11+50	393	16	1-90° EL	1	2	Drain Ahead & Right
"A"	56' Lt	788+00 to 798+00	1,000	52	1-90° EL	1	2	Drain Ahead	SE Ramp	Lt.	11+50 to 16+40	490	20	1-TEE	1	2	Drain Ahead & Left
"A"	28' Rt	788+00 to 798+00	1,000	18	1-90° EL	1	2	Drain Ahead	SE Ramp	Lt.	16+40 to 17+48	108					
"A"	56' Lt	798+00 to 808+00	1,000	54	1-90° EL	1	2	Drain Ahead	SW Ramp	Lt.	0+00 to 1+50	150	20	1-TEE	1	2	Drain Ahead & Left
"A"	28' Rt	798+00 to 808+00	1,000	24	1-90° EL	1	2	Drain Ahead	SW Ramp	Lt.	1+50 to 7+00	550					
"A"	56' Lt	808+00 to 822+00	1,400	48	1-90° EL	1	2	Drain Ahead	SW Ramp	Rt.	7+00 to 11+75	475	22	1-90° EL	1	2	Drain Back & Right
"A"	28' Rt	808+00 to 822+00	1,400	22	1-90° EL	1	2	Drain Ahead	SW Ramp	Rt.	11+75 to 18+14	639	16	1-90° EL	1	2	Drain Ahead & Right
"A"	56' Lt	822+00 to 832+00	1,000	24	1-90° EL	1	2	Drain Ahead									Drain Ahead
"A"	56' Rt	822+00 to 832+00	1,000	20	1-90° EL	1	2	Drain Ahead	Eastbound Lane NE Appr.	Rt.	0+00 to 2+50	250	20	1-TEE	1	6	Drain Ahead
"A"	56' Lt	832+00 to 842+00	1,000	28	1-90° EL	1	2	Drain Ahead	Eastbound Lane NE Appr.	Rt.	2+50 to 11+00	850					Drain Back
"A"	56' Rt	832+00 to 842+00	1,000	24	1-90° EL	1	2	Drain Ahead	Westbound Lane NE Appr.	Rt.	11+00 to 17+58.5	932	18	1-90° EL	1	2	Drain Back
"A"	56' Lt	842+00 to 848+00	600	30	1-90° EL	1	2	Drain Back	"A"	Rt. Along Isl	882+00 to 885+10	310	32	1-90° EL	1	2	Drain Ahead
"A"	56' Rt	842+00 to 848+00	600	26	1-90° EL	1	2	Drain Back	"A"	Lt. Along Isl	880+65 to 884+79	414	30	1-90° EL	1	6	Drain Ahead
"A"	56' Lt	848+00 to 861+00	1,300	26	1-90° EL	1	2	Drain Back	Eastbound Lane NW Appr.	Rt.	18+00 to 11+75	764	22	1-TEE	1	12	Drain Back
"A"	56' Rt	848+00 to 861+00	1,300	26	1-90° EL	1	2	Drain Back									Drain Ahead
"A"	56' Lt	861+00 to 863+45	245	26	1-90° EL	1	2	Drain Ahead	Westbound Lane NW Appr.	Rt.	3+01 to 18+00	899	22	1-90° EL	1	10	Drain Back
"A"	56' Rt	861+00 to 863+45	245	26	1-90° EL	1	2	Drain Ahead	"A"	Rt.	884+79 to 887+45	266	22	1-90° EL	1	6	Drain Ahead
"A"	56' Lt	863+10 to 875+25	1,015	82	1-90° EL	1	2	Drain Ahead									
"A"	56' Rt	863+10 to 875+25	1,015	80	1-90° EL	1	2	Drain Ahead									
"A"	56' Lt	875+25 to 886+25	1,100	68	1-90° EL	1	8	Drain Ahead									
"A"	56' Rt	875+25 to 886+25	1,100	54	1-90° EL	1	2	Drain Ahead									
"A"	56' Lt	886+25 to 889+68	425	26	1-90° EL	1	2	Drain Ahead									
"A"	56' Rt	886+25 to 889+68	425	26	1-90° EL	1	2	Drain Ahead									
"A"	56' Lt	894+50 to 904+14.6	964.6	26	1-90° EL	1	2	Drain Back to Bridge									
"A"	56' Rt	894+50 to 904+14.6	964.6	26	1-90° EL	1	2	Drain Back to Bridge									

DETAILS



STRUCTURE DATA

REV. 12-14-52 STR. NO. 17A ADDED.

STRUCTURE NUMBER	LOCATION	DESCRIPTION	LENGTH "L"	SKEW	COVER	FLOW LINE		CONCRETE CLASS "D"	SPECIAL BORROW GRADE "B"	REINFORCING STEEL LBS.	REMARKS	PLANS ON SHEET NO.
						UP STREAM ELEV.	DOWN STREAM ELEV.					
1	783+76.6	I-Project 69-2(17)30									Structure to be constructed Under Separate Contract No.	
2	864+30.4	I-Project 69-2(18)31									Structure to be constructed Under Separate Contract No.	
3	879+14.6	I-Project 69-2(19)32									Structure to be constructed Under Separate Contract No.	
4	880+21.3	I-Project 182-(5)									Structure to be constructed Under Separate Contract No.	
5	892+50.0	I-Project 69-2(21)32									Structure to be constructed Under Separate Contract No.	
11	754+00	24" Group "A"	148'		2.0	922.80	922.40	1.24	6.5			
12	754+12	Sfd. Inlet Type N-12	4'		1.0	923.15	922.90		5		24" x 18" Tee Connection Connect to Structure #11	
13	763+59	Sewer Pipe	4'								Terminate F.T. in Place. Remove Pipe in Place within R/W.	
14	778+00	Group G1 (6" x 14 B.C.C.M. Pipe Arch)	154'		3.0	925.50	925.30	2.99	4.5		Construct Outlet Ditch	
15	778+15	Sfd. Inlet Type E-7	14'		1.0	926.97	925.90		5		Tee Connection Regd. Connect to Structure No 14	
16	780+04	Sewer Pipe	4'								Terminate F.T. in Place. Remove Pipe in Place within R/W	
17	786+00	Group "A"	154'		3.0	926.00	925.80	1.24	5.0		Construct Inlet & Outlet Ditches	
18	809+69	Sewer Pipe	6'								Terminate F.T. in Place. Remove Pipe in Place within R/W.	
19	811+15	Sfd. Inlet Type E-7	14'		1.0	926.97	925.90		5		48" x 18" Tee Connection Connect to Structure #20	
20	811+28	Group "A"	172'		2.0	922.47	922.30		5		Construct Outlet Ditch	
21	823+00	Group G1 (6" x 14 B.C.C.M. Pipe Arch)	156'		3.0	917.41	915.98	2.99	4.0		Terminate F.T. in Place. Remove Pipe in Place within R/W.	
22	823+00	Sewer Pipe	6'									
23	837+00	Sfd. Inlet Type N-12	68'		3.0	911.95	911.51	.40	2.0		Construct Headwall on Outlet End	
24	843+00	Sfd. Inlet Type N-12	74'		2.0	910.82	910.00	.40	2.0		Construct Headwall on Outlet End	
25	846+00	Group G1 (6" x 14 B.C.C.M. Pipe Arch)	162'		3.0	910.00	910.00	3.78	4.5		Equilizer	
26	851+60	Sfd. Inlet Type D-6	38'		2.0	914.20	913.30	.29	1.0		Construct Headwall on Outlet End	
27	851+75	Group "A"	41'		3.0	913.70	911.50	.64	1.0		Construct Headwall on Outlet End	
28	851+60	Sfd. Inlet Type E-7	62'		3.0	914.42	914.20	.64	1.0		Connect to Str. No. 26	
29	857+00	Sfd. Inlet Type K-11	62'		3.0	925.70	925.13		1.0		Connect to Structure No 30	
30	857+00	Sfd. Inlet Type F-7	64'		3.0	925.13	924.93		1.0		Connect to Structure No 31	
31	857+00	Sfd. Inlet Type M-11	40'		2.0	924.93	912.00	.64	1.0		2-22 1/2° Bends Construct Headwall on Outlet End.	
32	863+25	Sfd. Inlet Type K-11	62'		3.0	927.82	927.26		1.0		Connect to Structure No 33	
33	863+25	Sfd. Inlet Type F-7	64'		3.0	927.26	927.07		1.0		Connect to Structure No 34	
34	863+25	Sfd. Inlet Type M-11	44'		2.0	927.07	912.30	.64	1.0		2-22 1/2° Bends; Construct Headwall on Outlet End.	
35	0+705 SW	B.C.C.M. Pipe with P.I.	96'		3.0	907.50	907.30	.80	2.5		Remove Pipe in Place;	
36	47+52.5	Group "A"	86'		4.0	906.30	906.75	1.24	3.0			
37	52+50.5	Group "A"	78'		3.0	907.18	907.04	.80	2.0			
38	41+66.5	B.C.C.M. Pipe with P.I.	24'		1.0			1.28	5			
39	59+100.5	Group "D"	34'		3.0			1.28	1.0			
40	868+00	Sfd. Inlet Type K-11	64'		3.0	919.57	919.05		1.0		Connect to Structure No 41	
41	868+00	Sfd. Inlet Type F-7	64'		3.0	919.05	918.80		1.0		Connect to Structure No 42	
42	868+00	Sfd. Inlet Type M-11	34'		2.0	918.80	909.00	.64	1.0		2-22 1/2° Bends; Construct Headwall on Outlet End	
43	871+50	Sfd. Inlet Type K-11	64'		3.0	909.28	908.74		1.0		Connect to Structure No 44	
44	871+50	Sfd. Inlet Type F-7	64'		3.0	908.74	908.50		1.0		Connect to Structure No 45	
45	871+50	Sfd. Inlet Type M-11	30'		3.0	908.50	905.80	.64	1.0		Construct Headwall on Outlet End	
46	10+75 NE	Group "A"	56'		3.0	897.90	897.00	2.30	1.0			
47	875+00	Sfd. Inlet Type K-11	62'		3.0	898.76	898.24		1.0		Connect to Structure No 48	
48	875+00	Sfd. Inlet Type F-7	62'		3.0	898.24	898.00		1.0		Connect to Structure No 49	
49	875+00	Sfd. Inlet Type M-11	14'		2.0	898.00	896.40	.64	1.0		Construct Headwall on Outlet End	
50	2+47 NW	Group G1 (6" x 14 B.C.C.M. Pipe Arch)	52'		2.0	896.30	896.00	.42	2.0			
51	49+30.3	Sfd. Catch Basin Type C-5	126'					14.6	2.35		Not Included in Road Contract	
52	877+40	Special Junction Box	46'		3.0	886.50	885.85	1.42	4.0	2.027	For Detail See Sheet No 47	
53	873+48	R.C. Pipe	320'		5.0	884.10	876.80		3.0		Construct Anchor on Inlet End	
54	878+50	Sfd. Manhole Type A-4	32'		3.0	885.00	884.24	1.25	2.0		Connect to Structure No 52 & 62	
55	878+50	Spec. Catch Basin Type E-7	66'		7.0	889.32	884.70		1.0		Construct Headwall on Inlet End	
56	878+50	Spec. Catch Basin Type E-7	20'		7.0	884.70	884.00		5		Connect to Structure No 56	
57	879+00	Spec. Catch Basin Type E-7	20'		4.0	887.07	882.50		5		Connect to Structure No 61	
58	879+40	Spec. Catch Basin Type E-7	86'		3.0	884.74	880.00		5		Connect to Structure No 53	
59	879+20	Spec. Catch Basin Type E-7	20'		5.0	886.47	882.00		5		Connect to Structure No 53	
60	879+75	Spec. Catch Basin Type E-7	20'		4.0	886.24	880.00		5		Connect to Structure No 61	
61	879+88	Group "A"	310'		3.0	882.49	875.50	14.6	18.5		Connect to Structure No 54 & 63	
62	880+50	R.C. Pipe	68'		3.0	876.00	875.00	1.42	6.0		2.027 For Detail See Sheet No 47	
63	881+50	Sfd. Manhole Type A-4	118'	30°	6.0	873.75	873.00	1.25	8.5		Construct Headwall on Outlet End	
64	13+30 NW	R.C. Pipe	164'		8.0	872.60	871.60	2.83	14.0			
65	18+00 NW	Group "A"	44'		4.0	896.17	892.20	.64	1.0		Construct Headwall on Outlet End	
66	10+50 NE	Sfd. Inlet Type D-6	44'		1.0	897.67	896.00	0.28	1.0		Construct Headwall on Outlet End	
67	10+75 NW	Sfd. Inlet Type E-7	66'		3.0	873.42	872.00	.29	2.0		Construct Headwall on Outlet End	
68	2+40 NE	Sfd. Inlet Type E-7	46'		1.0	874.22	874.00	.29	1.0		Construct Headwall on Outlet End	
69	884+00	Group "A"	388'	60°	3.0	872.00	868.58	3.14	2.85		36" x 12" Tee Construct	
70	884+20	Sfd. Inlet Type E-7	22'		4.0	874.10	872.25		5		Connect to Structure No 69	
71	886+00	B.C.C.M. Perf. Pipe	10"								Not Included in Road Contract	
72	886+50	Sfd. Inlet Type E-7	64'		3.0	873.64	873.14		1.0		Connect to Structure No 73	
73	886+50	Sfd. Inlet Type F-7	64'		3.0	873.14	872.14		1.0		Connect to Structure No 74	
74	886+50	Sfd. Inlet Type F-7	78'		3.0	872.14	863.11	.29	1.5		2-22 1/2° Bend Construct Headwall on Outlet End	
75	887+60	B.C.C.M. Perf. Pipe	10"								Not Included in Road Contract	
76	887+05	Sfd. Reinforced Conc. Box	48"		1.0	868.00	867.50	.49	5		Construct Spring Box 120" Dia.	
77	894+65	Sfd. Inlet Type K-10	132'		3.0	878.53	877.36		2.5		12" x 12" Tee Connect to Structure No 75	
78	894+80	Sfd. Inlet Type N-12	4'		1.0	879.13	878.00		5		Connect to Structure No 77	
79	894+65	Sfd. Inlet Type M-10	36'		3.0	877.36	865.00	.64	1.0		2-22 1/2° Bend Construct Headwall on Outlet End.	
27A	854+50	Sfd. Inlet Type K-11	30'		2.0	920.13	912.00	.64	5		2-22 1/2° Bends, Constr. Headwall on Outlet End	
27B	854+75	Sfd. Inlet Type K-11	26'		2.0	921.30	914.00	.64	5		2-22 1/2° Bends, Constr. Headwall on Outlet End	
39A	865+35	Sfd. Inlet Type K-11	42'		2.0	924.00	910.50	.64	1.0		2-22 1/2° Bends, Constr. Headwall on Outlet End	
39B	865+35	Sfd. Inlet Type K-11	30'		2.0	924.00	912.50	.64	5		2-22 1/2° Bends, Constr. Headwall on Outlet End	
62A	861+40	Sfd. Inlet Type A-3	56'		3.0	890.30	875.00	.29	1.0		Constr. Headwall on Outlet End	
63A	881+50	Spec. Catch Basin Type A-3	10'		4.0	877.10	877.20		5		Connect to Structure No. 63	
67A	883+35	Sfd. Inlet Type A-3	64'		2.5	874.20	869.80	.29	1.0		Constr. Headwall on Outlet End	
68A	884+75	Sfd. Inlet Type A-3	40'		1.0	874.10	873.30	.29	1.0		Constr. Headwall on Outlet End	
27c	882+25	Sfd. Inlet Type K-11	65'		3.0	915.77	913.00	.64	1.0		Constr. Headwall on Outlet End.	
17A	804+00	Sfd. Inlet Type N-12	80'		5.0	923.20	922.80	.40	1.0		Constr. Headwall on Outlet End.	
58A	878+10	BCCM (14Ga)	16'				883.0		5		1-45° Bend Regd. Connect to Cast Iron Pipe Outletting Through Abutment	
59A	877+60	BCCM (14Ga)	20'				879.3		5		1-45° Bend Regd. Connect to Cast Iron Pipe Outletting Through Abutment	
76A	892+50	6" CM Pipe									Connect to Exist. 8" R.C. & Drain to new Channel. Not included in Road Contract	
166	892+50	6" CM Pipe									Connect to Exist. 6" S.F. Pipe & Drain to new Channel. Not included in Road Contract	